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BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES

CALENDAR

for the year

1928-1929

Published under the Authority of
The Board of High School and Intermediate Education,
United Provinces, Allahabad
1929

Price, Rs. 4.

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SUPERINTENDENT, GOVERNMENT PRESS, UNITED PROVINCES,

ALLAHABAD.

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BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES

ALMANAC

JANUARY, 1928—DECEMBER, 1929

JANUARY, 1928.		
1	**Sun.**	
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	The Intermediate Education Act, 1921, was published under section 81 of the Government of India Act, (1922).
8	**Sun.**	
9	Mon.	Meetings of the Committees appointed by the Board.
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	
31	Tues.	

FEBRUARY, 1928.		
1	Wed.	The regulations of the Board of High School and Intermediate Education, United Provinces, came into force (1923).
2	Thur.	
3	Fri.	
4	Sat.	
5	**Sun.**	
6	Mon.	
7	Tues.	
8	Wed.	
9	Thur.	
10	Fri.	
11	Sat.	
12	**Sun.**	
13	Mon.	
14	Tues.	
15	Wed.	Meeting of the Board.
16	Thur.	
17	Fri.	
18	Sat.	
19	**Sun.**	
20	Mon.	
21	Tues.	
22	Wed.	
23	Thur.	
24	Fri.	
25	Sat.	
26	**Sun.**	
27	Mon.	
28	Tues.	
29	Wed.	

MARCH, 1928.		
1	Thur.	
2	Fri.	
3	Sat.	
4	**Sun.**	
5	Mon.	
6	Tues.	
7	Wed.	
8	Thur.	
9	Fri.	
10	Sat.	
11	**Sun.**	
12	Mon.	
13	Tues.	
14	Wed.	
15	Thur.	
16	Fri.	
17	Sat.	
18	**Sun.**	
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	
23	Fri.	
24	Sat.	
25	**Sun.**	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thurs.	
30	Fri.	
31	Sat.	

April, 1928.		
1	**Sun.**	Establishment of the Board of High School and Intermediate Education, United Provinces (1922).
2	Mon.	The Board's examinations of 1928 commenced.
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	
8	**Sun.**	
9	Mon.	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	Inaugural meeting of the Board (1922).
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	

MAY, 1928.		
1	Tues.	
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	**Sun.**	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	
13	**Sun.**	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	**Sun.**	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	
27	**Sun.**	
28	Mon.	
29	Tues.	
30	Wed.	
31	Thur.	

JUNE, 1928.		
1	Fri.	
2	Sat.	
3	**Sun.**	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	
29	Fri.	
30	Sat.	

JULY, 1928.		
1	**Sun.**	
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	
8	**Sun.**	
9	Mon.	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	
31	Tues.	

AUGUST, 1928.		
1	Wed.	
2	Thur.	
3	Fri.	
4	Sat.	
5	**Sun.**	
6	Mon.	
7	Tues.	
8	Wed.	
9	Thur.	
10	Fri.	
11	Sat.	
12	**Sun.**	
13	Mon.	
14	Tues.	
15	Wed.	
16	Thur.	
17	Fri.	
18	Sat.	The first meeting of the first Board fully constituted (1922).
19	**Sun.**	
20	Mon.	
21	Tues.	
22	Wed.	
23	Thur.	
24	Fri.	
25	Sat.	
26	**Sun.**	
27	Mon.	
28	Tues.	
29	Wed.	
30	Thur.	
31	Fri.	

SEPTEMBER, 1928.		
1	Sat.	
2	**Sun.**	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
8	Sat.	
9	**Sun.**	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	**Sun.**	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	**Sun.**	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	**Sun.**	The Intermediate Education Act, 1921, received the assent of the Governor of the United Provinces (1921.)

OCTOBER, 1928.		
1	Mon.	*Last date of receiving applications from intending private candidates for the examinations of* 1929.
2	Tues.	
3	Wed.	
4	Thur.	*Meetings of Committees* (1—3).
5	Fri.	
6	Sat.	
7	**Sun.**	
8	Mon.	
9	Tues.	
10	Wed.	
11	Thur.	
12	Fri.	
13	Sat.	
14	**Sun.**	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	**Sun.**	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	**Sun.**	
29	Mon.	
30	Tues.	
31	Wed.	

November, 1928.		
1	Thur.	
2	Fri.	
3	Sat.	
4	**Sun.**	
5	Mon.	
6	Tues.	*Meetings of Committees.*
7	Wed.	
8	Thur.	
9	Fri.	*Annual meeting of the Board.*
10	Sat.	
11	**Sun.**	
12	Mon.	
13	Tues.	
14	Wed.	
15	Thur.	
16	Fri.	
17	Sat.	
18	**Sun.**	
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	
23	Fri.	
24	Sat.	
25	**Sun.**	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thur.	
30	Fri.	

DECEMBER, 1928.		
1	Sat.	
2	**Sun.**	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
8	Sat.	
9	**Sun.**	
10	Mon.	The Intermediate Education Act, 1921, received the assent of the Governor General (1921.)
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	**Sun.**	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	**Sun.**	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	Last date of receiving application from regular students for admission to the examination of 1929.
29	Sat.	
30	**Sun.**	
31	Mon.	

JANUARY, 1929.		
1	Tues.	
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	**Sun.**	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	
13	**Sun.**	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	**Sun.**	
21	Mon.	
22	Tues.	
23	Wed.	Meetings of the Committees appointed by the Board.
24	Thur.	
25	Fri.	
26	Sat.	
27	**Sun.**	
28	Mon.	
29	Tues.	
30	Wed.	
31	Thur.	

FEBRUARY, 1929.		
1	Fri.	
2	Sat.	
3	**Sun.**	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	Meeting of the Board.
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	

March, 1929.		
1	Fri.	
2	Sat.	
3	**Sun.**	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	The Board's examinations of 1929 commenced.
29	Fri.	
30	Sat.	
31	**Sun.**	

APRIL, 1929.		
1	Mon.	
2	Tues.	
3	Wed.	
4	Thur.	
5	Fri.	
6	Sat.	
7	**Sun.**	
8	Mon.	
9	Tues.	
10	Wed.	
11	Thur.	
12	Fri.	
13	Sat.	
14	**Sun.**	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	**Sun.**	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	**Sun.**	
29	Mon.	
30	Tues.	

May, 1929.		
1	Wed.	
2	Thur.	
3	Fri.	
4	Sat.	
5	**Sun.**	
6	Mon.	
7	Tues.	
8	Wed.	
9	Thur.	
10	Fri.	
11	Sat.	
12	**Sun.**	
13	Mon.	
14	Tues.	
15	Wed.	
16	Thur.	
17	Fri.	
18	Sat.	
19	**Sun.**	
20	Mon.	
21	Tues.	
22	Wed.	
23	Thur.	
24	Fri.	
25	Sat.	
26	**Sun.**	
27	Mon.	
28	Tues.	
29	Wed.	
30	Thur.	
31	Fri.	

JUNE, 1929.		
1	Sat.	
2	**Sun.**	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
8	Sat.	
9	**Sun.**	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	**Sun.**	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	**Sun.**	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	**Sun.**	

JULY, 1929.		
1	Mon.	
2	Tues.	
3	Wed.	
4	Thur.	
5	Fri.	
6	Sat.	
7	**Sun.**	
8	Mon.	
9	Tues.	
10	Wed.	
11	Thur.	
12	Fri.	
13	Sat.	
14	**Sun.**	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	**Sun.**	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	**Sun.**	
29	Mon.	
30	Tues.	
31	Wed.	

AUGUST, 1929.		
1	Thur.	
2	Fri.	
3	Sat.	
4	**Sun.**	
5	Mon.	
6	Tues.	
7	Wed.	
8	Thur.	
9	Fri.	
10	Sat.	
11	**Sun.**	
12	Mon.	
13	Tues.	
14	Wed.	
15	Thur.	
16	Fri.	
17	Sat.	
18	**Sun.**	
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	
23	Fri.	
24	Sat.	
25	**Sun.**	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thur.	
30	Fri.	
31	Sat.	

SEPTEMBER, 1929.		
1	**Sun.**	
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	
8	**Sun.**	
9	Mon.	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	Meetings of the Committees appointed by the Boarn.
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	

OCTOBER, 1929.		
1	Tues.	Last date of receiving applications from intending private candidates for the examinations of 1930.
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	**Sun.**	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	
13	**Sun.**	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	**Sun.**	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	
27	**Sun.**	
28	Mon.	
29	Tues.	
30	Wed.	
31	Thur.	

NOVEMBER, 1929.		
1	Fri.	
2	Sat.	
3	**Sun.**	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	
29	Fri.	
30	Sat.	

DECEMBER, 1929.		
1	**Sun.**	
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	
8	**Sun.**	
9	Mon.	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	
31	Tues.	

BOARD OF HIGH SCHOOL AND INTERMEDIAT EDUCATION, UNITED PROVINCES.

THE INTERMEDIATE EDUCATION ACT, 1921.

UNITED PROVINCES ACT No. II OF 1921.

[PASSED BY THE LOCAL LEGISLATURE OF THE UNITED PROVINCES OF AGRA AND OUDH.]

Received the assent of the Governor of the United Provinces of Agra and Oudh on the 30th September, 1921, and of the Governor-General on the 10th December, 1921, and was published under section 81 of the Government of India Act on the 7th January, 1922.

An Act for the establishment of a Board of High School and Intermediate Education.

WHEREAS it is expedient to establish a Board to take the place of the Allahabad University in regulating and supervising the system of High School and Intermediate education in the United Provinces, and to prescribe courses for English Middle classes, subject to the control of the Local Government: It is hereby enacted as follows :—

Short title, extent and commencement.

1. (1) This Act may be called the Intermediate Education Act, 1921.

(2) It extends to the territories for the time being administered by the Local Government of the United Provinces.

(3) It shall come into force on such date as the Local Government may, by notification in the Gazette, direct.

Definitions.

2. In this Act, and in all regulations made hereunder, unless there is anything repugnant in the subject or context,—

(*a*) "Board" means the Board of High School and Intermediate Education;

(*b*) "Institution" means the whole of an institution, or a part thereof, as the case may be;

(*c*) "Minister" means Minister for Education in the United Provinces;

(*d*) "Recognition" means recognition for the purpose of preparing candidates for admission to the Board's examinations;

(*e*) "Regulations" means regulations made by the Board under this Act.

Constitution of the Board

3. (1) The Board shall be established as soon as may be after this Act has come into force, and shall consist of—

(*a*) the Director of Public Instruction (*ex officio* Chairman);

(*b*) two Principals of Intermediate colleges maintained by Government, appointed by the Minister;

(*c*) four Principals of Intermediate colleges not maintained by Government, elected from among themselves;

(*d*) one head master of a High School maintained by Government, appointed by the Minister;

(*e*) two head masters of High Schools not maintained by Government, elected from among themselves;

(*f*) a representative of Engineering appointed by the Minister;

(*g*) a representative of Agriculture, appointed by the Minister ;

(*h*) a member of the Medical profession, appointed by the United Provinces Medical Council ;

(*i*) a member of the staff of a Training College for teachers, appointed by the Minister ;

(*j*) a representative of Industries, appointed by the Minister ;

(*k*) a lady appointed by the Minister to represent women's education ;

(*l*) representatives elected by Universities established by law in the United Provinces, whose number shall be, as nearly as possible, one-third of the total number of the other members of the Board ;

Explanation.—The number of representatives to be assigned to each University under clause (*l*) of sub-section (1) shall be fixed by the Minister ;

(*m*) three members elected by the non-official members of the Legislative Council ;

(*n*) one member each appointed by the Upper India Chamber of Commerce and the United Provinces Chamber of Commerce ;

(*o*) one member each appointed by the British Indian Association and by the Agra Landholders' Association.

(2) Persons not more than three in number may be nominated by the Minister to secure the representation of minorities not otherwise adequately represented.

(3) The Board shall be authorized to co-opt persons, not exceeding three in number, on account of their possessing expert knowledge in subjects of study included in the courses prescribed by the Board.

Term of office of members.

4. (1) Members other than *ex officio* and co-opted members shall hold office for a term of three years from the date of the notification published under section 6.

(2) The term of office of co-opted members shall terminate on the same date as that of other appointed members.

Filling of vacancies on expiry of term of office

5. When the prescribed term of office of members other than *ex officio* members has expired, the vacancies so caused shall be filled as soon as conveniently may be in accordance with sub-section (1) of section 3.

Publication of names.

6. The names of the persons who have been nominated or elected to be members of the Board, in accordance with sub-sections (1) and (2) of section 3 or with section 5, shall be published by notification in the Gazette.

Powers of the Board

7. Subject to the provisions of this Act the Board shall have the following powers, namely :—

(1) to prescribe courses of instruction for the Intermediate classes and the High and Middle sections of English schools in such branches of education as it may think fit ;

(2) to grant diplomas or certificates to persons who—

(*a*) have pursued a course of study in an institution admitted to the privileges of recognition by the Board ; or

(*b*) are teachers ; or

(*c*) have studied privately under conditions laid down in the regulations, and have passed the examinations of the Board under like conditions ;

(3) to conduct examinations at the end of the High School and Intermediate courses ;

(4) to recognize institutions for the purposes of its examinations ;

(5) to admit candidates to its examinations ;

(6) to demand and receive such fees as may be prescribed in the regulations;

(7) to publish the results of its examinations;

(8) to co-operate with other authorities in such manner and for such purposes as the Board may determine;

(9) to call for reports from the Department of Public Instruction on the condition of recognized institutions or of institutions applying for recognition;

(10) to submit to the Minister its views on any matter with which it is concerned;

(11) to see the schedules of new demands proposed to be included in the budget relating to institutions recognized by it and to submit, if it thinks fit, its views thereon for the consideration of the Minister;

(12) to do all such other acts and things as may be requisite in order to further the objects of the Board as a body constituted for regulating and supervising High School and Intermediate education.

Exemption of certain Universities from the operation of the Act.

8. Nothing in the Act shall affect the constitution, powers or functions of the Benares Hindu University, the Aligarh Moslem University or the Lucknow University, except with their consent recorded in writing.

Powers of Minister.

9. (1) The Minister shall have the right to address the Board with reference to any of the work conducted or done by the Board and to communicate to the Board his views on any matter with which the Board is concerned.

(2) The Board shall report to the Minister such action, if any, as it is proposed to take or has been taken upon his communication.

(3) If the Board does not, within a reasonable time, take action to the satisfaction of the Minister, the Minister may, after considering any explanation fur-

nished or representation made by the Board, issue such directions consistent with this Act as he may think fit, and the Board shall comply with such directions.

(4) In any emergency which, in the opinion of the Minister, requires that immediate action should be taken, the Minister may take such action consistent with this Act as he deems necessary without previous consultation with the Board, and shall forthwith inform the Board thereof.

Officers of the Board.

10. The following shall be the officers of the Board :—

(1) The Chairman.

(2) The Secretary.

(3) Such other officers as may be declared by the regulations to be officers of the Board.

Powers and duties of Chairman

11. (1) It shall be the duty of the Chairman to see that this Act and the regulations are faithfully observed, and he shall have all powers necessary for this purpose.

(2) The Chairman shall have power to convene meetings of the Board, and shall call a meeting at any time after due notice, on a requisition signed by not less than five members of the Board and stating the business to be brought before the meeting.

(3) In any emergency, arising out of the administrative business of the Board, which, in the opinion of the Chairman, requires that immediate action should be taken, the Chairman shall take such action as he deems necessary, and shall thereafter report his action to the Board at its next meeting.

(4) The Chairman shall exercise such other powers as may be prescribed by the regulations.

Appointment, powers and duties of Secretary

12. (1) The Secretary shall be appointed by the Minister upon such conditions and for such period as the Minister may deem fit.

He shall be removable from office by the votes of not less than three-fourths of the members present at a

special meeting of the Board at which not less than one-half of the total number of the members are present.

(2) The Secretary shall, subject to the control of the Board, be the administrative officer of the Board. He shall be responsible for the presentation of the annual estimates and statement of accounts.

(3) He shall be responsible for seeing that all moneys are expended on the purpose for which they are granted or allotted.

(4) He shall be responsible for keeping the minutes of the Board.

(5) He shall exercise such other powers as may be prescribed by the regulations.

(6) He shall be entitled to be present and to speak at any meeting of the Board, but shall not be entitled to vote thereat.

Appointment and constitution of Committees.

13. (1) The Board shall appoint Committees of Courses, an Examinations' Committee, a Committee for Recognition, a Finance Committee, and such other committees, if any, as may be prescribed by the regulations.

(2) Such committees shall consist of members of the Board and of such other persons, if any, as the Board in each case may think fit.

(3) A Committee may co-opt persons to serve thereon up to a limit of one-third of the total number of members of the Committee.

(4) Members of Committees other than co-opted members shall hold office for a period of three years.

The term of office of co-opted members shall be one year :

Provided that the term of office of members of a Committee, whether they are members of the Board or not, shall not extend beyond that of appointed members of the Board.

14. All matters relating to the exercise by the Board of powers conferred upon it by this Act which have by regulation been delegated by the Board to any one of its committees shall stand referred to that Committee, and the Board, before exercising any such powers, shall receive and consider the report of the Committee with respect to the matter in question.

Exercise of powers delegated by Board to Committees.

REGULATIONS.

15. (1) The Board may make regulations for the purpose of carrying into effect the provisions of this Act.

Power of Board to make regulations.

(2) In particular and without prejudice to the generality of the foregoing power the Board may make regulations providing for all or any of the following matters, namely :—

(*a*) the constitution, powers and duties of committees ;

(*b*) the conferment of diplomas and certificates ;

(*c*) the conditions of recognition of institutions for the purposes of its examinations ;

(*d*) the courses of study to be laid down for all certificates and diplomas ;

(*e*) the conditions under which candidates shall be admitted to the examinations of the Board and shall be eligible for diplomas and certificates ;

(*f*) the fees for admission to the examinations of the Board ;

(*g*) the conduct of examinations ;

(*h*) the appointment of examiners and their duties and powers in relation to the Board's examinations ;

(*i*) the election of members to the Board under clauses (*c*) and (*e*) of sub-section (1) of section 3 ;

(*j*) the admission of institutions to the privileges of recognition and the withdrawal of recognition;

(*k*) all matters which by this Act are to be or may be provided for by regulations;

(*l*) the conditions under which grants-in-aid shall be given to institutions recognized by the Board.

Previous publication and sanction of regulations made by Board.

16. Regulations under section 15 shall not be made except after publication and shall not take effect until they have been sanctioned by the Minister and published in the Gazette.

Duty of Board to submit regulations and power of Minister to make regulations in default of Board.

17. (1) Within six months from the commencement of this Act or within such further period as the Local Government may fix in this behalf—

(*a*) the Board, as constituted under this Act, shall prepare a body of regulations for the sanction of the Minister;

(*b*) if any alterations in, or additions to, the draft regulations submitted appear to the Minister to be necessary, the Minister may, after consulting the Board, sanction the proposed body of regulations with such additions and alterations as appear to be necessary.

(2) If a draft body of regulations is not submitted by the Board within the period of six months from the commencement of this Act or within such further period as may be fixed under sub-section (1), the Minister may, within six months after the expiry of such period or of such further period, make, after previous publication, regulations which shall have the same force as if they had been prepared and sanctioned under sub-section (1).

Casual vacancies.

18. All casual vacancies among the members (other than *ex officio* members) of the Board or of a committee appointed by the Board shall be filled, as soon as conveniently may be, by the person or body who appointed, elected, or co-opted the member whose place has become vacant and the person appointed, elected or co-opted to a casual vacancy shall be a member of the Board or Committee for the residue of the term for which the person whose place he fills would have been a member.

Proceedings not invalidated by reason of vacancies.

19. No act or proceeding of the Board or of a committee appointed by it shall be invalidated merely by reason of the existence of a vacancy or vacancies among its members.

Power of Board and Committees to make bye-laws.

20. (1) The Board and its Committees may make bye-laws consistent with this Act and the Regulations—

(*a*) laying down the procedure to be observed at their meetings and the number of members required to form a quorum;

(*b*) providing for all matters which consistently with this Act and the Regulations are to be prescribed by byelaws; and

(*c*) providing for all other matters solely concerning the Board and its committees and not provided for by this Act and the regulations.

(2) The Board and its committees shall make bye-laws providing for the giving of notice to the members of the Board or Committee of the dates of meetings, and of the business to be considered at meetings, and for the keeping of a record of the proceedings of meetings.

(3) The Board may direct the amendment or recission of ıy byelaw made by a Committee under this section, and the Committee shall give effect to any such direction.

OFFICERS OF THE BOARD.

CHAIRMAN.

H. R. Harrop, Esq., M.A., M.L.C., Officiating Director of Public Instruction, United Provinces, Allahabad (*ex-officio*).

SECRETARY.

Rai Bahadur A. C. Mukerji, M.A., I.E.S.

MEMBERS OF THE BOARD.

Appointed by the Minister under clause (b), sub-section (1), section 3 of the Intermediate Education Act, 1921.

1. W. G. P. Wall, Esq., M.Sc., Inspector of European Schools, United Provinces, Naini Tal.
2. Rai Sahib Pandit Kali Prasad, B.A., Principal, Government Jubilee Intermediate College, Lucknow.

Elected by the Principals of Intermediate Colleges not maintained by Government from among themselves under clause (c), sub-section (1), section 3 of the Intermediate Education Act, 1921.

3. Hira Lal Khanna, Esq., M.Sc., Principal, B. N. Sanatan Dharm Intermediate College, Cawnpore.
4. Narayan Das, Esq., B.A., Principal, Radhaswami Educational Institute, Agra.
5. Lala Diwan Chand, M.A., Principal, D. A.-V. College, Cawnpore.
6. Lieut.-Col. T. F. O'Donnell, M.C., B.A., Principal, Meerut College, Meerut.

Appointed by the Minister under clause (d), sub-section (1), section 3 of the Intermediate Education Act, 1921.

7. Maulvi Mahdi Husain Nasiri, M.A., Head Master, Government High School, Aligarh.

Elected by the Head Masters of High Schools not maintained by Government from among themselves under clause (e), sub-section (1), section 3 of the Intermediate Education Act, 1921.

8. Kali Das Kapur, Esq., M.A., L.T., Head Master, Kali Charan High School, Lucknow.

9. Devi Prasad Khattry, Esq., B.A., L.T., Head Master, Pandit Pirthi Nath High School, Cawnpore.

Appointed by the Minister under clause (f), sub-section (1), section 3 of the Intermediate Education Act, 1921.

10. Lala Wazir Sahai, Chief Engineer, Allahabad Improvement Trust, Allahabad.

Appointed by the Minister under clause (g), sub-section (1), section 3 of the Intermediate Education Act, 1921.

11. Lala Anand Sarup, Government Treasurer and Honorary Magistrate, Muzaffarnagar.

Appointed by the United Provinces Medical Council under clause (h), sub-section (1), section 3 of the Intermediate Education Act, 1921.

12. Rai Bahadur Dr. Baij Nath Vyas, M.B. (Punjab), Reader in Materia Medica, King George's Medical College, Lucknow.

Appointed by the Minister under clause (i), sub-section (1), section 3 of the Intermediate Education Act, 1921.

13. A. A. Simpson, Esq., M.A., Principal, Training College, Allahabad.

Appointed by the Minister under clause (j), sub-section (1), section 3 of the Intermediate Education Act, 1921.

14. Rai Bahadur Vikramajit Singh, B.A., LL.B., M.L.C., 116, Civil Lines, Cawnpore.

Appointed by the Minister under clause (k), sub-section (1), section 3 of the Intermediate Education Act, 1921.

15. Miss H. G. Stuart, M.A., O.B.E., Chief Inspectress of Girls' Schools, United Provinces, Allahabad.

Elected by the Allahabad University under clause (l), sub-section (1), section 3 of the Intermediate Education Act, 1921.

16. Dr. D. R. Bhattacharya, D.Sc., Ph.D., Dean of the Faculty of Science, Allahabad University, Allahabad.

17. Pandit Amarnatha Jha, M.A., Reader in English, Allahabad University, Allahabad.

Elected by the Lucknow University under clause (l), sub-section (1), section 3 of the Intermediate Education Act, 1921.

18. Dr. K. N. Bahl, M.Sc., D. PHIL., D.Sc., Professor of Zoology, Lucknow University, Lucknow.

19. Dr. S. K. Mukerji, M.Sc., D.Sc. (London), F.L.S., Reader in Botany, Lucknow University, Lucknow.

Elected by the Benares Hindu University under clause (l), sub-section (1), section 3 of the Intermediate Education Act, 1921.

20. A. B. Dhruva, Esq., M.A., LL.B., Pro-Vice-Chancellor, Benares Hindu University, Benares.

Elected by the Aligarh Muslim University under clause (l), sub-section (1), section 3 of the Intermediate Education Act, 1921.

21. A. M. Kureishy, Esq., M.A., Principal, Aligarh Muslim University Intermediate College, Aligarh.

Elected by the Agra University under clause (l), sub-section (1), section 3 o the Intermediate Education Act, 1921

22. Chhail Behari Capoor, Esq., B.A., LL.B., Beharipur, Bareilly.

23. Kalka Prasad Bhatnagar, Esq., M.A., LL.B., Professor, D. A.-V. College, Cawnpore.

24. B. G. Nandi, Esq., B.A., Professor, St. Andrew's College, Gorakhpur.

Elected by the non-official members of the United Provinces Legislative Council under clause (m), sub-section (1), section 3 of the Intermediate Education Act, 1921.

25. Khan Bahadur Shaikh Abdullah Sahib, M.L.C., Vakil, Aligarh.

26. Muhammad Habib, Esq., B.A. (Oxon.), M.L.C., Bar.-at-Law, Professor, Aligarh Muslim University, Nili Chatr, Aligarh.

27. Rai Bahadur Mathura Prasad Mehrotra, B.A., M.L.C., Biswan, district Sitapur.

Appointed by the Upper India Chamber of Commerce under clause (n), sub-section (1), section 3 of the Intermediate Education Act, 1921.

28. J. P. Srivastava, Esq., M. Sc., M.L.C., Civil Lines, Cawnpore.

Appointed by the United Provinces Chamber of Commerce under clause (n), (1), sub-section (1), section 3 of the Intermediate Education Act, 1921.

29. B. N. Chopra, Esq., Assistant Secretary, United Provinces Chamber of Commerce, Cawnpore.

Appointed by the British Indian Association under clause (o), sub-section (1), section 3 of the Intermediate Education Act, 1921.

30. Rai Bahadur Kunwar Bisheshar Dayal Seth, M.L.C., Taluqdar of Moizuddinpur, district Sitapur.

Appointed by the Agra Landholders' Association under clause (o), sub-section section 3 of the Intermediate Education Act, 1921.

31. Shyam Lal, Esq., M.A., LL.B., M.L.C., Nawabganj, Cawnpore.

Nominated by the Minister under sub-section (2), section 3 of the Intermediate Education Act, 1921.

32. Khan Bahadur Hafiz Hidayat Husain, B.A., Bar-at-Law, M.L.C., Civil Lines, Cawnpore.

33. Dr. Sam Higginbottom, M.A., B.Sc., D. PHILAN, Principal, Agricultural Institute, Naini, Allahabad.

34. Khan Bahadur Maulvi Muhammad Ubaid-ur-Rahman Khan, M.L.C., Habibganj, Aligarh.

Co-opted by the Board of High School and Intermediate Education, United Provinces, under sub-section (3), *section* 3 *of the Intermediate Education Act,* 1921.

35. P. Seshadri, Esq., M.A., Principal, S. D. College of Commerce, Cawnpore.
36. S. C. Chatterji, Esq., M.A., Principal, Christ Church College, Cawnpore.
37. Dr. Tara Chand, M.A., D. PHIL. (Oxon.), Principal, Kayastha Pathshala University College, Allahabad.

MEMBERS OF THE COMMITTEES OF COURSES.

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(4) Lala Diwan Chand (Member, Board).
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(6) Dr. Mangal Deva Shastri, M.A., D.Phil., Professor, Government Sanskrit College, Benares. (*Co-opted Member*).

(7) Mr. Hari Har Nath Tandon, M.A., Professor, St. John's College, Agra (*Co-opted Member*).

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(3) Khan Bahadur Hafiz Hidayat Husain (Member, Board).

(4) Daya Narayan Nigam, Esq., B.A., Professor, Christ Church College, Cawnpore.

(5) Pandit Manohar Lal Zutshi, M.A., Principal, Government Training College, Lucknow.

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(1) Dr. Tara Chand (Co-opted Member, Board), (*Convener*).

(2) A. B. Dhruva, Esq. (Member, Board).

(3) Mohammad Habib, Esq. (Member, Board).

(4) K. D. Kapur, Esq. (Member, Board).

(5) Dr. Beni Prasad, Reader, Allahabad University, Allahabad.

(6) G. N. Bose-Mallick, Esq., M.A., Professor, Meerut College, Meerut (*Co-opted Member*).

(7) L. N. Mathur, Esq., B.A., L.T., M.R.A.S., Head Master, Janki Prasad Anglo-Sanskrit High School, Khurja (*Co-opted Member*).

(5) GEOGRAPHY.

(1) H. B. Wetherill, Esq., M.A., Inspector of Schools, Lucknow Division, Lucknow (*Convener*), (*resigned*).

(2) K. Kishore, Esq., B.A., L.T., F.R.G.S., Registrar, Departmental Examinations, United Provinces, Allahabad.

(3) K. D. Kapur, Esq. (Member, Board).

(4) H. Tinker, Esq., B.Sc., I.E.S., Inspector of Schools, Allahabad Division, Allahabad.

(5) W. E. Andrews, Esq., M.A., Principal, La Martiniere College, Lucknow.

(6) M. L. Agarwala, Esq., B.A., L.T., B.E.D. (Edinburgh), Lecturer, Training College, Allahabad (*Co-opted Member*).

(6) BENGALI, MARATHI AND GUJARATI.

(1) A. B. Dhruva, Esq. (Member, Board), (*Convener*).

(2) Dr. S. K. Mukerji (Member, Board).

(3) Dr. P. K. Acharya, M.A., Ph.D., D.Litt., Professor, Allahabad University, Allahabad.

(4) J. L. Sathe, Esq., I.C.S., Excise Commissioner, United Provinces, Allahabad.

(5) A. C. Banerji, Esq., M.A., M.Sc., F.R.A.S. (Eng.), F.L.M.S. (London), Reader in Mathematics, Allahabad University, Allahabad.

(6) Dr. K. C. Pandya, M.A., Ph.D., Professor, St. John's College, Agra (*Co-opted Member*).

(7) S. V. Puntanbekar, Esq., M.A., Bar.-at-Law, Professor, Benares Hindu University, Benares (*Co-opted Member*).

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(1) A. A. Simpson, Esq. (Member, Board), (*Convener*).
(2) Dr. J. C. Weir, B.A., LL.D., Principal, University School of Law, Allahabad.
(3) Dr. N. R. Dhar, Professor, Allahabad University, Allahabad.
(4) D. Kerrin, Esq., M.A., Head Master, Boys' High School, Allahabad (*on leave*).

(8) MATHEMATICS.

(1) R. H. Moody, Esq., M.A., Deputy Director of Public Instruction, United Provinces, Allahabad (*Convener*).
(2) Swami Dayal Seth, Esq., M.Sc., Professor, Christ Church College, Cawnpore.
(3) A. C. Banerji, Esq., M.A., M.Sc., F.R.A.S. (Eng.), F.L.M.S. (London), Reader in Mathematics, Allahabad University, Allahabad.
(4) A. M. Kureishy, Esq. (Member, Board).
(5) Hira Lal Khanna, Esq. (Member, Board).
(6) D. P. Khattry, Esq. (Member, Board), (*Co-opted Member*).
(7) J. A. Strang, Esq., M.A., B.Sc., Professor, Lucknow University, Lucknow (*Co-opted Member*).

(9) PHYSICS.

(1) W. G. P. Wall, Esq. (Member, Board), (*Convener*).
(2) Dr. M. N. Saha, Professor, Allahabad University, Allahabad.
(3) Dr. Wali Mohammad, M.A., Ph.D., Professor, Lucknow University, Lucknow.
(4) S. K. Mukerji, Esq., M.Sc., Agra College, Agra.
(5) Jai Narayan Budhwar, Esq., M.Sc., Professor, Christ Church College, Cawnpore.

(10) CHEMISTRY.

(1) Dr. S. M. Sane, Professor, Lucknow University, Lucknow (*Convener*).
(2) H. Krall, Esq., B.A., B.Sc., Professor, Agra College, Agra.
(3) Madho Prasad, Esq., M.Sc., Professor, Meerut College, Meerut.
(4) W. G. P. Wall, Esq., (Member, Board).
(5) Dr. N. G. Chatterji, Technological Institute, Cawnpore.
(6) Pandit Durga Dutta Joshi, B.A., M.Sc., Principal, Government Intermediate College, Fyzabad, (*Co-opted Member*).

(11) BIOLOGY.

(1) Dr. W. S. Dudgeon, Ph.D., Principal, Ewing Christian College, Allahabad (*Convener*).
(2) Dr. K. N. Bahl (Member, Board).
(3) Dr. S. K. Mukerji (Member, Board).
(4) Dr. K. C. Mehta, Professor, Agra College, Agra.
(5) L. P. Mathur, Esq., M.Sc., Professor, St. John's College, Agra.
(6) Dr. D. R. Bhattacharya (Member, Board), (*Co-opted Member*).

(12) AGRICULTURE.

(1) Dr. S. Higginbottom, (M mber, Board), (*Convener*).
(2) Lala Anand Sarup (Member, Board).
(3) Shyam Lal, Esq. (Member, Board).
(4) C. Maya Das, Esq., M.A., B.Sc., (Edin.), Principal, Agricultural College, Cawnpore.
(5) H. N. Batham, Esq., M.A., Agricultural College, Cawnpore.

(6) T. S. Sabnis, Esq., M.Sc., Professor, Agricultural College, Cawnpore (*Co-opted Member*).

(7) Masson Vaugh, Esq., B.Sc., Professor, Agricultural Institute, Naini, Allahabad (*Co-opted Member*).

(13) DRAWING, MANUAL TRAINING, METAL WORK, ETC.

(1) G. F. Worthen, Esq., Officer on Special Duty, Office of the Director of Public Instruction, United Provinces, Allahabad (*Convener*).

(2) Lala Wazir Sahai (Member, Board).

(3) R. H. Moody, Esq., M.A., Deputy Director of Public Instruction, United Provinces, Allahabad.

(4) Asit K. Haldar, Esq., Principal, Government School of Arts and Crafts, Lucknow.

(5) Maharaj Krishna Varma, Esq., Teacher, Agra College, Agra.

(6) C. K. Buckley, Esq., Principal, Government Textile School, Cawnpore (*Co-opted Member*).

(14) COMMERCE.

(1) J. P. Srivastava, Esq. (Member, Board), (*Convener*).

(2) B. N. Chopra, Esq. (Member, Board).

(3) Roop Ram Gupta, Esq., Professor, St. John's College, Agra.

(4) S. P. Shah, Esq., I.C.S., Director of Industries, United Provinces, Cawnpore.

(5) Dr. D. Pant, Lecturer, Lucknow University, Lucknow.

(6) D. K. Shakwalkar, Esq., M.A., LL.B., B. Com., Professor, D. A. V. College, Cawnpore (*Co-opted Member*).

(7) K. L. Govil, Esq., B.Com., Professor, S. D. College of Commerce, Cawnpore (*Co-opted Member*).

(15) LOGIC.

(1) Lala Diwan Chand (Member, Board), (*Convener*).
(2) S. C. Chatterji, Esq. (Co-opted Member, Board).
(3) E. Ahmad Shah, Esq., M.A., B. Litt., Reader, Lucknow University, Lucknow.
(4) Narayan Das, Esq. (Member, Board).
(5) J. P. Suda, Esq., M.A., Professor, Meerut College, Meerut.

(16) ECONOMICS.

(1) C. D. Thompson, Esq., M.A., Head of the Economics department, Allahabad University, Allahabad (*Convener*).
(2) S. K. Rudra, Esq., M.A. (Cantab), Reader, Allahabad University, Allahabad.
(3) Gurmukh Nihal Singh, Esq., M.Sc., Professor, Benares Hindu University, Benares.
(4) Dr. L. K. Hyder, Professor, Aligarh Muslim University, Aligarh.
(5) B. N. Chopra, Esq. (Member, Board).
(6) K. P. Bhatnagar, Esq., M.A., LL.B., Professor, D. A. V. College, Cawnpore (*Co-opted Member*).
(7) Charan Adhar Kohly, Esq., M.A., Assistant Master, Radhaswami Educational Institute, Agra (*Co-opted Member*).

(17) INDIAN MUSIC.

(1) Lala Wazir Sahai (Member, Board), (*Convener*).
(2) Major D. R. Ranjit Singh, Man Bhawan, George Town, Allahabad.
(3) V. A. Kashalkar, Esq., Sangit Pravin, Kayastha Pathshala Intermediate College, Allahabad.
(4) Raja Nawab Ali Khan, Lucknow.
(5) Jai Deva Singh, Esq., Teacher, Gurnarain Khattr High School, Cawnpore.

(18) DOMESTIC SCIENCE, PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(1) Miss H. G. Stuart (Member, Board), (*Convener*).
(2) Mrs. B. Padma Bai Rao, B.A., Lady Principal, Theosophical National Girls' School and Women's College, Benares.
(3) Miss T. J. Gandhy, M.Sc., Inspectress of Girls' Schools, Allahabad Circle, Allahabad.
(4) Miss C. R. Poovaiah, B.A., Lady Principal, Crosthwaite Girls' College, Allahabad.
(5) Miss M. K. Landrum, M.A., Teacher, Isabella Thoburn College, Lucknow.

MEMBERS OF THE EXAMINATIONS' COMMITTEE.

(1) Dr. K. N. Bahl (Member, Board), (*Chairman*).
(2) Narayan Das, Esq. (Member, Board).
(3) Hira Lal Khanna, Esq. (Member, Board).
(4) K. D. Kapur, Esq. (Member, Board).
(5) Maulvi Mahdi Husain Nasiri (Member, Board).
(6) Rai A. C. Mukerji Bahadur, M.A., Secretary of the Board, *Secretary* (*Co-opted Member*).
(7) Lt.-Col. T. F. O'Donnell (Member, Board), (*Co-opted Member*).

MEMBERS OF THE RECOGNITION COMMITTEE.

(1) Lala Diwan Chand (Member, Board), (*Convener*).
(2) B. N. Chopra, Esq. (Member, Board).
(3) Rai Bahadur Mathura Prasad Mehrotra (Member, Board).
(4) Khan Bahadur Hafiz Hidayat Husain (Member, Board).
(5) Khan Bahadur Sheikh Abdulla Sahib (Member, Board).
(6) Narayan Das, Esq. (Member, Board).
(7) The Deputy Director of Public Instruction, United Provinces, Allahabad.

MEMBERS OF THE FINANCE COMMITTEE.

(1) The Assistant Director of Public Instruction, United Provinces, Allahabad (*Convener*).
(2) Khan Bahadur Sheikh Abdulla Sahib (Member, Board).
(3) Lala Diwan Chand (Member, Board).
(4) Rai Bahadur Mathura Prasad Mehrotra (Member, Board).
(5) Khan Bahadur Hafiz Hidayat Husain (Member, Board).
(6) Narayan Das, Esq. (Member, Board).
(7) Dr. Tara Chand (Co-opted Member, Board).

MEMBERS OF THE CURRICULUM COMMITTEE.

(1) H. B. Wetherill, Esq., M.A., Inspector of Schools, Lucknow division, Lucknow (*Convener*), (*resigned*).
(2) Dr. Tara Chand (Co-opted Member, Board).
(3) Miss H. G. Stuart (Member, Board).
(4) Hira Lal Khanna, Esq. (Member, Board).
(5) D. P. Khattry, Esq. (Member, Board).
(6) P. Seshadri, Esq. (Co-opted Member, Board).
(7) Narayan Das, Esq. (Member, Board).
(8) A. M. Kureishy, Esq. (Member, Board).
(9) Dr. S. K. Mukerji (Member, Board).
(10) Pandit Amaranatha Jha (Member, Board).
(11) Dr. W. S. Dudgeon, PH.D., Principal, Ewing Christian College, Allahabad.
(12) S. C. Chatterji, Esq. (Co-opted Member, Board).
(13) Miss C. R. Poovaiah, B.A., Lady Principal, Crosthwaite Girls' College, Allahabad.
(14) K. G. Saiyidain, Esq., Principal, Training College, Aligarh Muslim University, Aligarh.
(15) Misri Lal Gupta, Esq., M.A., L.T., Assistant Master, Radhaswami Educational Institute, Agra.

(16) Shiva Nath Singh, Esq., B.A., L.T., Head Master, K. D. J. High School, Maurawan.

MEMBERS OF THE COMMITTEE TO SCRUTINISE APPLICATIONS FROM PRIVATE CANDIDATES.

(1) R. H. Moody, Esq., M.A., offg., Deputy Director of Public Instruction, United Provinces, Allahabad (*Convener*).

(2) W. G. P. Wall, Esq. (Member, Board).

(3) A. C. Banerji, Esq., M.A., M.Sc., F.R.A.S. (Eng.), F.L.M.S. (London), Reader in Mathematics, Allahabad University, Allahabad.

(4) Ganga Prasad, Esq., M.A., C.T., Head Master, D. A.-V. High School, Allahabad.

(5) Devi Prasad, Esq., B.A., Head Master, C. A.-V. High School, Allahabad.

MEMBERS OF THE RESULTS COMMITTEE.

(1) The Director of Public Instruction, United Provinces, Allahabad (*Chairman*).

(2) R. H. Moody, Esq., M.A., offg. Deputy Director of Public Instruction, United Provinces, Allahabad.

(3) Dr. Tara Chand, M.A., D.Phil. (Oxon.), Principal, Kayastha Pathshala University College, Allahabad.

(4) A. M. Kureishy, Esq., M.A., Principal, Aligarh Muslim University Intermediate College, Aligarh.

(5) The Secretary of the Board.

REPRESENTATIVES OF THE BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ON OTHER BODIES.

PROVINCIAL TEXT-BOOK COMMITTEE.

(1) Lala Diwan Chand, M.A.,
(2) Narayan Das, Esq., B.A.,
(3) Kali Das Kapur, Esq., M.A., L.T.,
(4) Devi Prasad Khattry, Esq., B.A., L.T.,
} Members, Board.

SENATE OF THE AGRA UNIVERSITY.

(1) Rai Bahadur Vikramajit Singh, B.A., LL.B., M.L.C.,
(2) Pandit Amaranatha Jha, M.A.,
} Members, Board.

REGULATIONS

of the

Board of High School and Intermediate Education, United Provinces.

N.B.—These regulations are subject to amendment from time to time as the Board may determine. Notice of such amendments will be given in the *Gazette*.

CHAPTER I.

DEFINITIONS.

IN these regulations, unless there is anything repugnant in the subject or context, the following terms shall have the following meaning :—

(1) " Chairman " means the Chairman of the Board of High School and Intermediate Education, United Provinces.

(2) " College " means an educational institution preparing candidates for the Intermediate examination, or the Intermediate Examination in Commerce or the Intermediate Examination in Agriculture of the Board, and recognized by the Board for such a purpose.

(3) " Department " means the Department of Public Instruction in the United Provinces.

(4) " Director " means the Director of Public Instruction in the United Provinces.

(5) " Guardian " means the natural or legal guardian, or a person approved by the head of the institution concerned as the guardian of a student for the purposes of these regulations.

(6) " Head Master " means the head of a High School recognized by the Board.

(7) " High School " means an educational institution preparing candidates for the High School

Examination of the Board and recognized by the Board for such a purpose.

(8) "Inspector" means an inspecting officer of the Education department.

(9) "Principal" means the head of a College.

(10) "Private candidate" means a candidate for admission to an examination conducted by the Board who has not, during the session preceding the examination, been studying at an educational institution of any kind.

(11) "Regular course of study" means a course of study prescribed by the Board.

(12) "Scholar's Register" means the register containing the record of a scholar's progress kept in the prescribed form* by the institution to which he belongs.

(13) "Secretary" means the Secretary of the Board of High School and Intermediate Education, United Provinces.

(14) "Session" means the period for which an institution is open for tuition during the twelve months commencing with the formation of new classes.

CHAPTER II.

THE BOARD.

1. The Board shall meet ordinarily in the months of November and February.

2. The meeting of the Board held in the month of November shall be deemed to be the annual meeting of the Board.

* The prescribed form is given in the United Provinces Educational Code

CHAPTER III.

THE SECRETARY.

1. All meetings* of the Board shall be convened through the Secretary.

2. The Secretary shall conduct the official correspondence of the Board under the authority of the Chairman.

3. All fees and dues payable to the Board, and all sums received by the Secretary in his capacity as such, shall be credited without delay into the Government Treasury.

4. The Secretary shall be responsible, subject to the control of the Examinations' Committee, for making arrangements for the holding of the Board's examinations.

5. The Secretary shall receive and, subject to the control of the Examinations' Committee, deal with applications from candidates for admission to the Board's examinations.

6. It shall be the duty of the Secretary, on behalf of the Board, to issue certificates in the prescribed form to successful candidates of having passed the Board's examinations.

7. The Secretary shall have charge of the Board's library, and shall forward to Conveners of Committees of Courses books received from the department or from authors or publishers, and shall, at the request of Conveners, circulate the same among the members.

8. The Secretary shall annually in the month of March furnish the department with a list of schools and colleges recognized for the purposes of the Board's

* A Press note giving a brief report of the proceedings of the Board is published in the *United Provinces Government Gazette* and issued to the papers as soon after each meeting as possible (*vide* Board's Resolution no 9, dated the 17th, 18th and 19th August, 1922).

examinations, specifying the optional subject or subjects in which recognition has been granted.

9. The Secretary shall perform such other duties as may be assigned to him by the Board or may be necessary for the carrying out of its decisions.

CHAPTER IV.

COMMITTEES OF THE BOARD.

1. In addition to the committees specified in section 13(1) of the Intermediate Education Act, 1921, the Board shall appoint the following other committees :—

(*a*) a curriculum committee to consider general questions relating to the curriculum ;

(*b*) a committee to scrutinize applications from private candidates for permission to appear at the Board's examinations ;

(*c*) a committee to bring out the results of examinations.

2. The number of members appointed by the Board to any committee shall, unless otherwise specified, be not less than three and not more than five.

3. Election of members to fill up ordinary vacancies in committees of the Board shall be held at the meeting of the Board immediately following the occurrence of the vacancy and members shall hold office from the date of election.

4. Except in the case of the Examinations' Committee, the Board shall appoint, at its annual meeting, a member of each committee to be Convener of the committee. In the event of the Convener ceasing to hold office, the committee shall appoint a substitute from among its own members to hold office till the next annual meeting of the Board.

5. The Secretary of the Board shall act as Secretary of the Examinations' Committee, and shall perform the functions performed by the Convener in other committees. Unless elected a member of the committee, he will not have a vote.

CHAPTER V.

COMMITTEES OF COURSES.

1. The Board shall appoint Committees of Courses in the following subjects which may be grouped in such manner and with such additions and alterations as the Board may from time to time decide :—

(*a*) English.
(*b*) Sanskrit and Hindi.
(*c*) Arabic, Persian and Urdu.
(*d*) History and Civics.
(*e*) Geography.
(*f*) Bengali, Marathi and Gujarati.
(*g*) Greek, Latin, Hebrew and Modern European Languages.
(*h*) Mathematics.
(*i*) Physics.
(*j*) Chemistry.
(*k*) Biology.
(*l*) Agriculture.
(*m*) Drawing, Manual Training and Metal Work.
(*n*) Commerce.
(*o*) Logic.
(*p*) Economics.
(*q*) Indian Music.*
(*r*) Domestic Science, Physiology, Hygiene and Child-Study.

* The Board decided that Indian Music should be included in the curriculum of High Schools as an optional subject in which no public examination should be held. Heads of institutions teaching Indian Music should grant a certificate to candidates who successfully complete a four years' course in that subject (*vide* Board's Resolutions no. 9 and 15, dated 22nd February, 1924, and 8th November, 1924, respectively). The Board decided at a later date that an examination in Music at the High School stage may be held if at least six institutions provide instruction and apply for permissiom to send up candidates for the examination (*vide* paragraph 10 of the report of the meeting of the Examinations' Committee held on 9th November, 1927, adopted by the Board).

2. Committees of Courses shall be constituted for such other subjects of study as may from time to time be prescribed by the Board.

3. Each Committee of Courses shall lay down a syllabus in the subject with which it is concerned and recommend or prescribe suitable text-books, when considered necessary, in conformity with that syllabus.

4. Every Committee of Courses shall ordinarily meet in the month of February every year, and draw up courses three years ahead of the examinations for which they are intended to be prescribed. The draft courses proposed by the Committee shall be circulated, as soon as may be, among the members of the Board. Any observations made by members in regard thereto shall be communicated by them direct to the Convener concerned before the end of August in the same year. If, in the opinion of the Convener, the nature of the criticisms received justifies the reconsideration of the courses drawn up by the Committee, he shall summon another meeting of the Committee to reconsider the courses or ascertain by correspondence the views of the members of the Committee on the suggestions received; otherwise the courses drawn up shall be taken to be finally approved by the Committee.

5. The courses as finally approved by the Committee shall be submitted to the Board at its annual meeting by the Convener or by some other member of the Committee who is a member of the Board and is present at the annual meeting.

6. The courses, as finally approved and sanctioned by the Board, shall be printed in the prospectus and issued by the Secretary not less than two years before the date of the examination for which those courses have been prescribed.

7. If the Board is of opinion that a recommendation made by a Committee of Courses requires reconsideration it may refer the matter back to the Committee. After considering the views of the Committee upon its reference, the Board shall decide the matter.

8. A Committee may bring to the notice of the Board any matter connected with the examinations or courses in respect of the subject or subjects with which it is concerned.

9. Any two or more Committees of Courses may, and at the request of the Board shall, meet and render a joint report upon any matter with which they are severally and jointly concerned.

CHAPTER VI.

The Examinations' Committee.

It shall be the duty of the Examinations' Committee, subject to the sanction and control of the Board,—

(*a*) to order examinations in conformity with the regulations and to fix dates for holding them ;

(*b*) to consider the recommendations of the Committees of Courses with regard to examiners and to prepare lists of examiners for the approval of the Board ;

(*c*) to appoint boards of moderators on the recommendation of the Committees of Courses ;

(*d*) to fix the number of question papers to be set in each subject after receiving recommendations from the Committees of Courses concerned ;

(*e*) to recommend the standard of length for written tests in different subjects, after receiving

recommendations from the Committees of Courses concerned ;

(*f*) to propose maximum and minimum marks for each subject and for each part of a subject, after receiving recommendations from the Committees of Courses concerned ;

(*g*) to frame rules for the award of grace marks ;

(*h*) to prescribe forms of application to be filled up by candidates applying for permission to appear at examinations, and forms of certificates to be granted to successful candidates ;

(*i*) to fix rates of honorarium for examiners, invigilators, and others ;

(*j*) to propose the opening and closing of centres of examination ;

(*k*) to prescribe the mode of conducting the oral and practical tests, if any ;

(*l*) to consider all other matters arising out of the conduct of examinations, and to make recommendations, where necessary, to the Board.

CHAPTER VII.

Recognition of institutions by the Board.

1. The Committee of Recognition shall consist of seven members, at least five of whom shall be elected by the Board.

2. Its duties shall be to scrutinize applications for recognition, to call for other information necessary for purposes of recognition, and to perform such other duties as may be delegated to it by the Board.

3. An institution desiring to be recognized for the purposes of an examination conducted by the Board shall not later than the month of October in the year

preceding that in which it proposes to open classes in preparation for an examination, apply to the Secretary for permission to send up candidates.

4. On receipt of an application for recognition, the Secretary shall forward it to the Inspector of Schools within whose jurisdiction the institution is situated with a request for a local enquiry and a report and recommendation regarding the fitness of the institution for recognition. In the case of an Intermediate College the Director of Public Instruction may associate with the Inspector, for the purposes of the local enquiry and report, one or more persons who will be chosen from a list of persons nominated by the Board. Such persons shall be actually engaged in the work of teaching in the United Provinces. The report shall be submitted to the Recognition Committee through the Director of Public Instruction, who will add his comments and recommendations, if any.

5. Applications for recognitions shall set out in detail the following particulars, upon which the inspecting authority should make its report and recommendation :—

(*a*) whether there is a real need of the institution in the locality ;

(*b*) the constitution of the governing body, if any ;

(*c*) the name of the manager or secretary or correspondent, as the case may be ;

(*d*) the qualifications and rates of pay of the teaching staff ;

(*e*) the examination or examinations for which it desires recognition ;

(*f*) the subject or subjects of instruction in which the institution undertakes to make provision ;

(*g*) the accommodation provided in class-rooms and in hostels ;

(*h*) the provision made for the health, recreation and discipline of scholars ;

(*i*) the financial position of the institution and the sources and amount of income ;

(*j*) the scale of fees charged and the provision, if any, for the admission of poor scholars ;

(*k*) the number of scholars in each class or section of a class.

6. Any other information which the Board may call for in connexion with the application shall be supplied by the institution through the inspecting authority.

7. The inspecting authority in forwarding its report shall state whether, and in what subjects or on what conditions, recognition should, in its opinion, be granted.

8. No institution shall be recognized unless it agrees to comply with the following requirements :—

(*a*) it shall, in the case of a High School, be open to inspection by the inspecting officers of the department, and in the case of an Intermediate College by the inspecting officer of the department with whom the Director of Public Instruction may, for purposes of formal inspection, associate one or more persons chosen from the list referred to in Regulation 4 ;

(*b*) all information and returns called for by the department or the Board shall be duly furnished ;

*(*c*) it shall not prepare and send up candidates for a rival examination (High School, Intermediate, Intermediate in Commerce or Intermediate in Agriculture) when an examination of the same nature and similar standard is held by the Board ;

(*d*) it shall make suitable arrangements for the health, recreation and supervision of boarders and for the sanitation of its premises generally.

9. If satisfied that an institution is deserving of recognition, the Board shall direct the Secretary to enter its name upon a list of recognized institutions to be kept by him, and the Secretary shall inform the institution and the Inspector of the division in which it is situated in which subjects, on what conditions, and for what examination or examinations it has been recognized.

10. Where an institution desires to add to the subjects of instruction in respect of which recognition has been granted, the procedure prescribed by the foregoing regulations shall, as far as may be, be followed.

11. An institution recognized by the Board for the purposes of any of its examinations shall submit to the department annual returns giving the personnel and pay of the teaching staff. Any change in the management shall be communicated as soon after the change as possible.

12. The department shall forward to the Secretary copies of all notifications from a recognized institution communicating changes in management and in the number, qualifications and salaries of the teaching staff, the result of which, in its opinion, affects the

* This clause does not apply to the Cambridge School Certificate Examination in the case of European schools.

fitness of the institution for continued recognition by the Board.

13. If the department is of opinion that any institution recognized by the Board has, by reason of deterioration, ceased to meet the requirements of the Board, the department shall make a report to the Board. On receipt of the department's report the Board may, through the Divisional Inspector, institute such enquiry as it thinks fit. The report of the Inspector will be submitted to the Board through the Director of Public Instruction, who will add his comments, if any, and the Board will take the report into consideration at its next meeting and inform the department of its decision. In the case of an Intermediate College the Director of Public Instruction may associate with the inspector for the purpose of the enquiry one or more persons chosen from the list referred to in Regulation 4.

14. In any case in which the Board may decide that action is necessary upon the report, it will first call upon the authorities through the department to show cause why such action should not be taken.

15. No action shall be taken by the Board on any report by the department without first giving the institution concerned an opportunity of making any representation it may wish to make through the department to the Board.

16. The Board shall, if satisfied that the institution is no longer fit for recognition, direct the Secretary to issue a warning to the governing body through the department that unless within a period fixed by the Board the institution removes the defect or defects to which attention has been called, it will be struck off the list of recognized institutions or that recognition will be withdrawn in one or more optional subjects. The Board

shall have power to extend from time to time the period so fixed.

17. If within the time fixed by the Board, or within such further time as may be allowed by it, the institution fails to satisfy the Board that it is conforming to its requirements, the Board shall strike the institution off the list of recognized institutions or shall withdraw recognition in one or more optional subjects.

18. The Board may, at a subsequent date, after report by an Inspector, re-instate an institution on the list of recognized institutions, or, if recognition was withdrawn in one or more optional subjects, restore to it the privileges of preparing candidates therein.

19. No institution shall be recognized in any branch of experimental science unless it satisfies the Board—

(*a*) that the number of students assigned to a single teacher in practical work at one time does not exceed 20;

(*b*) that suitable and, in the case of Intermediate classes, separate laboratories for each branch of experimental science are provided, and that each of them is adequately equipped.

CHAPTER VIII.

The Finance Committee.

1. The Finance Committee shall act as an advisory body in all matters concerning the finances of the Board.

2. It shall consist of—

(*a*) the Assistant Director of Public Instruction, *ex-officio* Convener;

(*b*) one Principal of an Intermediate College not maintained by Government, who is a member of the Board;

(*c*) one representative of the non-official members of the Legislative Council, who is a member of the Board ;

(*d*) four other members elected by the Board.

3. The annual financial statement of the Board shall first be laid before the Finance Committee before being submitted to the Board.

4. The Finance Committee shall also see the schedules of new demands proposed to be included in the budget relating to institutions recognized by the Board, and submit its views thereon for the consideration of the Board.

CHAPTER IX.

THE CURRICULUM COMMITTEE.

1. The number of members appointed to the Curriculum Committee by the Board shall be twelve, of whom at least nine shall be members of the different Committees of Courses.

2. The duties of the Curriculum Committee shall be—

(*a*) to consider the total number of compulsory and optional subjects for each of the Board's examinations ;

(*b*) to arrange the standards of the courses for the Middle, High School and Intermediate stages in a regular graded order ;

(*c*) to prescribe curricula for the Intermediate Examination leading to both University and vocational courses ;

(*d*) to consider proposals for the introduction of new subjects and the exclusion of existing subjects :

(*e*) to consider questions of the formation of groups of subjects and the alternation of one group with another ;

(*f*) to lay down courses for the middle section of English schools, and to recommend or prescribe suitable text-books, when considered necessary, in conformity with the syllabus.

CHAPTER X.

CONDITIONS UNDER WHICH GRANTS-IN-AID MAY BE GIVEN TO RECOGNISED INSTITUTIONS.

1. No grant-in-aid shall be recommended to any institution unless it has been recognized by the Board.

2. An institution receiving grant-in-aid shall, unless specially exempted by the Government, invest all Government grants not disbursed within a month of their receipt in a Presidency or post office savings bank.

3. An institution shall be liable to have its grant withdrawn if it continues, even after a warning by the department to employ a teacher who takes an active part in political agitation calculated to subvert the authority of Government.

4. The provisions of the Educational Code, United Provinces, with regard to grants-in-aid shall apply to all institutions recognized by the Board, so far as they are not inconsistent with these Regulations.

CHAPTER XI.

RESIDENCE OF STUDENTS.

1. Where accommodation is available, every student of a recognized institution shall reside in a hostel provided by it, or in a hostel recognized by the head of the institution, or with a parent or guardian.

2. Where no accommodation is available in a recognized hostel, the head of an institution may permit a student or students to live in lodgings reserved by the keeper thereof for students of recognized institutions, provided—

(*a*) that the lodgings are open to inspection by the head of the institution concerned or by any member of the staff who is deputed for the purpose ; and

(*b*) that the keeper is willing to submit to the requirements regarding supervision of students laid down by the head of the institution or heads of institutions concerned.

CHAPTER XII.

EXAMINATIONS.

General Rules.

1. The Board shall conduct the following examinations :—

(*a*) The High School Examination.

(*b*) The Intermediate Examination.

(*c*) The Intermediate Examination in Commerce.

(*d*) The Intermediate Examination in Agriculture.

2. The Board's examinations shall be held at such centres and on such dates and at such times as the Board may from time to time appoint.

3. The tests at the Board's examinations may be partly oral or practical and partly written. Oral and practical tests shall be carried out by examiners appointed by the Board in such manner as the Examinations' Committee may prescribe from time to time. Written tests shall be by means of question papers, and the

question papers shall be given out simultaneously at every centre at which the examination is being held.

4. Every candidate for admission to an examination held by the Board shall, not later than the seventh of January each year—

(*a*) pay the fee prescribed for the examination,

(*b*) state the optional subject or subjects in which he desires to present himself for examination, and

(*c*) furnish the Secretary with a certificate showing—

(i) that he has completed a regular course of study* in a recognized institution, or

(ii) that he has been permitted by the Board to appear as a private candidate.

(iii) (for Science candidates of the High School Examination only) that he has actually performed the experiments laid down in the syllabus.

5. The following fees shall be paid in respect of the examinations held by the Board :—

(1) High School Examination.	Rupees 15 by each candidate from a recognized institution.
(2) Ditto ..	Rupees 20 by each private candidate.
(3) Intermediate Examination.	Rupees 25 by each candidate from a recognized institution.
(4) Ditto ..	Rupees 30 by private candidates.
(5) Intermediate Examination in Commerce.	Rupees 25 by each candidate from a recognized institution.

* See clause (11), Chapter I and Regulation 4, Chapter XVII.

(6) Intermediate Examination in Commerce.	Rupees 30 by private candidates.
(7) Intermediate Examination in Agriculture.	Rupees 25 by each candidate from a recognized institution and Rs. 30 by each private candidate (if any).
(8) Examination in one subject only.	Rupees 5.
(9) Examination in more than one subject.	Rupees 5 for each subject.
(10) Fee for checking the results of failed candidates.	Rupees 10 per candidate.
(11) Fee for communicating the aggregate marks obtained by a candidate at an examination.	Rupees 2 per candidate.

6. A candidate who fails to pass or who from sickness or other sufficient cause is unable to present himself for any examination, shall not receive a refund of his fee :

provided the board may, on application, admit a candidate who was unable to present himself for any examination to the next ensuing examination without payment of a further fee :

provided also that the fee may not be held over for the next ensuing examination in the case of a candidate who absented himself from a part of the examination.

7. The Secretary shall, after satisfying himself that a candidate has complied with all the requirements

for admission to an examination of the Board, furnish the candidate with a card of admission, on presentation of which to the local superintendent of the examination, the candidate shall be permitted to sit for the examination.

8. Notwithstanding anything contained in these Regulations, no candidate who is still undergoing rustication or who has been expelled within the academical year preceding the date of his application for permission to appear at an examination shall be admitted to any examination of the Board.

9. The Secretary, if satisfied that a candidate's admission card has been lost or destroyed, may grant a duplicate card on payment of a further fee of Rs. 2.

10. Private candidates* shall be eligible to appear at the Board's examinations on the conditions hereinafter laid down.

* The following rules for the admission of private candidates to the Board's examinations have been approved by the Board (*vide* Board's Resolution no. 22, dated November 8, 1924) :—

1. Permission to appear as private candidates will be given to candidates who have appeared at a previous High School or Intermediate Examination and have failed or to whom permission to appear as private candidates has been given by the Board on a previous occasion.

2. Permission to appear as private candidates at the next ensuing High School or Intermediate Examination will not be granted to candidates who have failed to obtain promotion to the highest class of any High School or Intermediate College (i.e., to those who have been detained in class IX or class XI).

3. (*a*) Private candidates may change their subjects of examination from those previously offered by them, if more than one year has elapsed since their last appearance at the examination; they will not be required to give any reasons for the change.

(*b*) Private candidates who appeared and failed at an examination immediately prior to the submission of their application and desire to offer for the next examination subjects other than those previously offered must give an adequate explanation of the change and show that they can satisfactorily complete the course of study in the new subjects.

11. A candidate who desires to offer himself for examination as a private candidate shall, not later than the first of October preceding the date fixed for the next

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4. Candidates residing outside the present territorial jurisdiction of the Board may be permitted to appear at the Board's examinations as private candidates, provided they submit an adequate explanation as to why they prefer to take the United Provinces Board's examination.

5. Where an age-limit or other restriction is imposed by the Local University or Examining Body, such restriction shall be rigorously enforced before permission to appear as private candidates at the Board's examinations is granted to outside candidates.

6. Residents of places beyond the territorial jurisdiction of the Board who have appeared and failed at an examination conducted by the Board or its predecessors may be allowed to appear as private candidates at a subsequent corresponding examination, notwithstanding anything contained in rules 4 and 5 foregoing. Rules 4 and 5 will, however, apply to residents of such places who have passed any examination conducted by the Board or its predecessors and desire to appear for the first time at a higher examination conducted by the Board.

7. Private candidates shall not be allowed to offer for their examination any subject even if the subject is recognized for the examination which is not being taught in a recognized institution or in which no institution is recognized [*vide* Board's Resolution no. 34(*b*), dated November 6 and 7, 1925.]

8. Private candidates who have passed the Cambridge School Certificate Examination and intend to appear at the Intermediate Examination should specify in the application form the standard of attainment in each of the subjects in which they have passed the Cambridge School Certificate Examination as shown in the detailed result of the examination (*vide* Private Candidates Committee s Resolution no. 7 .dated October 3, 1925).

9 Permission to appear as private candidates at the High School Examination shall not be given to candidates who have passed the Vernacular Final Examination until five academical years have elapsed since the date of their passing the Vernacular Final Examination nor shal any students who have left school at a stage earlier than the High School stage be permitted to appear at the High School Examination as private candidates in a year earlier than that in which they would have appeared if they had continued their studies at a recognized institution up to the High School Examination (*vide* Resolution 4 of the meeting of the Private Candidates Committee held on October 17—20 and November 1, 1928 and Resolution 33 of the meeting of the Board held on November 9, 1928).

ensuing examination, send in an application to the Secretary, through the Inspector of Schools of his division or the Chief Educational Officer of the Indian State where he resides, unless he is a failed candidate of a previous year, in which case the application may be forwarded by the head of the institution at which he last studied. In the case of a female candidate the application may be forwarded by the head of any institution recognized by the Board. The application should be made in the prescribed form and should set forth :—

(*a*) his age at the time of the application ;

(*b*) the conditions under which he has been studying and is proposing to continue his studies ;

(*c*) *the optional subject or subjects which he offers, provided that no practical work or practical examination is prescribed for the subject or subjects so offered.

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10. All applications from intending private candidates should reach the office of the forwarding officer not later than September 24 preceding the date fixed for the next ensuing examination (*vide* Resolution 5 of the meeting of the Private Candidates Committee held on October 17—20 and November 1, 1928 and Resolution 33 of the meeting of the Board held on November 9 1928).

* The following subjects prescribed for the Board's examinations should be deemed subjects which involve practical work or a practical examination for purposes of this regulation and regulations 14(*a*) and 17 :—

High School Examination.

(1) Physics and Chemistry.
(2) Agriculture.
(3) Manual Training.
(4) Metal Work

Intermediate Examination.

(1) Chemistry.
(2) Physics.
(3) Biology.
(4) Economics.
(5) Physiology, Hygiene and Child-Study (for girls only)

Commercial Diploma Examination.

Nil.

Agricultural Diploma Examination.

All subjects *except* English.

He should also forward the original copy of the scholar's register granted to him by the institution, if any, at which he last studied.

12. Such applications from intending private candidates shall be referred to the Standing Committee of the Board appointed to scrutinize applications from private candidates.

13. Such applications, after being scrutinized by the Committee, shall either be granted or rejected by it.

14. Notwithstanding anything contained in these Regulations, any female candidate, who is not studying at a recognized institution, may be admitted by the Committee referred to in Regulation 12 above as a private candidate to any of its examinations unconditionally, except that before appearing at the Intermediate examination two years should have elapsed since the date of her passing the High School or an equivalent examination.

14(*a*) Notwithstanding anything contained in these Regulations, a student who has passed the High School or an equivalent Examination and is studying in an Intermediate class of a college recognized by the Board may be permitted to appear as a private candidate at the High School Examination of the Board in a single subject not involving practical work or a practical examination, and similar permission may be given to a student who has passed the Intermediate Examination and is studying for a higher examination to go up for the High School or the Intermediate Examination in a single subject not involving practical work or a practical examination.

14(*b*) Notwithstanding anything contained in these Regulations, no male married candidates, except those

who are married before July 1, 1929, or who are at the time of marriage not less than eighteen years of age, shall be admitted from any institution recognized by the Board to the High School Examination after the examination of 1930. Such candidates may apply for permission to appear as private candidates only at the High School Examination with effect from the examination of 1931.

15. Except when otherwise provided in these Regulations, the names of candidates who have passed an examination of the Board shall be placed in three divisions, and further, the names of students from recognized institutions shall be grouped according to the institutions in which they have studied.

16. A candidate who has failed in an examination may present himself for one or more subsequent examinations, provided that he shall on each and every such occasion satisfy the Secretary that he has fulfilled the conditions laid down in the Regulations for the admission of candidates to the Board's examinations.

17. A candidate who has failed in an examination may be admitted to a subsequent examination without attending a regular course of study in a recognized institution, provided—

(*a*) that he has not pursued his studies at an educational institution of any kind ;

(*b*) that, not later than the first of October preceding the date fixed for the next ensuing examination, he sends an application to the Secretary through and recommended by the head of the institution at which he last studied, in the prescribed form, setting out—

(i) the conditions under which he has been studying and is now proposing to continue his studies

(ii) the dates of his failing in the examination ;

provided, further, that this Regulation shall not apply to candidates who have taken a subject or subjects for which practical work or a practical examination is prescribed.

18. *Any candidate who has obtained 40 per cent. of the aggregate number of marks, but has failed in one subject only, obtaining not less than 25 per cent. in that subject, shall be admitted to a subsequent examination in the subject in which he failed on payment of the fee perscribed in these Regulations ; and if he passes in that subject he shall be deemed to have passed the examination.

19. Heads of recognized institutions are not entitled to detain candidates who have fulfilled the conditions laid down for permission to appear at one of the Board's examinations, except for very grave reasons and with the previous sanction of the Chairman of the Board.

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* Compartmental candidates have the option of appearing at the examination as private candidates, provided they have not pursued their studies at an educational institution of any kind during the session preceding the examination at which they intend to appear and subject to the restriction laid down in the second proviso to Regulation 17, Chapter XII.

Compartmental candidates are not eligible for admission to class XI of a recognized Intermediate College unless and until they have passed *completely* the High School Examination under Regulation 2 Chapter XIII (*vide* Examinations' Committee's Resolution no. 9, dated February 6, 1925, adopted by the Board).

The prescribed fee for admission to the compartmental examination is Rs 5.

Failed candidates may have two chances of re-appearing at the compartmental examination in two consecutive years immediately following the year in which they appeared at the examination taking all the subjects and were declared as eligible for the compartmental examination (*vide* Board's Resolution no. 28, dated November 6 and 7, 1925, and paragraph 42 of the report of the meeting of the Examinations' Committee held on November 9, 1927, adopted by the Board).

CHAPTER XIII.

High School Examination.

1. The following are the subjects prescribed for the High School Examination of the Board :—

Compulsory.

(1) English.
(2) Mathematics.
(3) History or Geography.
(4) One of the following Modern Indian Languages :—

Hindi, Urdu, Bengali, Marathi and Gujarati.

Optional.

(1) One of the following Classical Languages :—
Sanskrit, Arabic, Persian and Latin.
(2) Commerce.
(3) Physics and Chemistry.
(4) Agriculture.
(5) Drawing.
(6) Manual Training.
(7) A Modern European Language.
(8) Domestic Science.
(9) Metal work.
(10) History *or* Geography.
(11) Book-binding.
(12) Spinning and Weaving.
(13) General Science (Physics, Chemistry and Biology).

N.B.—Candidates must take up one optional subject for examination, and no candidate will be examined in more than one such subject, in addition to the compulsory subjects, at one and the same examination : provided that a candidate who has passed the High School or an equivalent examination in a place outside the United Provinces may

* A candidate taking History or Geography as a compulsory subject must not offer the same subject as an optional subject.

present himself for examination in any subsequent year in one or more optional subjects without re-examination in the compulsory subjects; and such a candidate will, if successful, be entitled to have an entry made in the certificate already granted to him, certifying in which additional optional subject or subjects he has passed.

2. A candidate is not entitled to a certificate of having passed the High School Examination unless he qualifies separately in each subject offered by him thereat.

3. Diaries shall be kept by all teachers employed in teaching classes preparing for the High School Examination showing the work done in class in each subject taught by them, and such diaries shall be inspected by the oral or practical examiners or by such other authorities as the Board may depute.

4. The question papers set and the written answer-books of all candidates at terminal examination shall also be subject to inspection in such manner and by such authorities as the Board may direct.

5. The head of the institution shall furnish the oral or practical examiner, or such other authority as the Board may appoint, with a list of the candidates undergoing examination in the subject or subjects with which he is concerned, and shall make an entry against each name regarding the proficiency of the candidate as judged by his record therein during the course of study prescribed for the examination.

6. *Cancelled.*

7. Any candidate who has passed a *public examination in an Oriental Language (Sanskrit, Persian or

*(*a*) The following examinations are recognized by the Board as public examinations in an Oriental Language under this Regulation and Regulation 7, Chapter XIV :—

(1) Maulvi, Alim, Mulla (now defunct) and Fazil in Arabic, and Munshi and Kamil in Persian, conducted by the Education department of the United Provinces (2) the Sanskrit Examinations conducted by the Government Sanskrit College, Benares, and by the Benares Hindu University (*vide* Boards' Resolution no. 33, dated November 6 and 7, 1925,

Arabic) or the Vernacular Final Examination and in addition the examination in advanced Urdu or Hindi conducted by the department may be admitted as a private candidate to the High School Examination in English only, and shall, if successful, be entitled to a certificate of having passed the examination in English only. Similar concession may be given to candidates residing in the United Provinces, who have passed an examination in a vernacular language (Hindi or Urdu) conducted by the Oriental Faculty of the Punjab University.

8. *Candidates for the High School Examination are permitted to answer questions in English, Urdu, or Hindi in all subjects other than English.

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and paragraph 2 of the report of the meeting of the Examinations' Committee held on February 4, 1926, adopted by the Board), (3) the Diploma Examinations in Arabic and Persian conducted by the Lucknow University [*vide* Board's Resolution no. 18(*g*), dated November 3, 1926] and (4) the Sanskrit examinations conducted by the Department of Public Instruction, Jaipur State [*vide* resolution 7 of the meeting of the Examinations' Committee held on November 8, 1928 and Resolution 31(*c*) of the meeting of the Board held on November 9, 1928].

(*b*) Candidates residing in the United Provinces who have passed an examination (Sanskrit, Persian or Arabic) of the Oriental Faculty of the Punjab University may also apply for permission to appear at the High School Examination in English only as private candidates (*vide* paragraph 39 of the report of the meeting of the Examinations' Committee held on November 9, 1927, adopted by the Board).

* This regulation should be read in the light of the following notes:—

(1) A candidate for the High School Examination may answer questions in English in one or more subjects and in Hindi or Urdu in the remaining subjects in which a vernacular medium is permitted.

(2) The option of using a vernacular medium of examination has been given in the following subjects *only* and in the following manner *with effect from* the date noted against each :—

(*a*) Sanskrit and Hindi—through the medium of English or Hindi.
(*b*) Arabic, Persian and Urdu—through the medium of English or Urdu.
(*c*) History and Geography—through the medium of English, Hindi or Urdu.
(*d*) Agriculture—through the medium of English, Hindi or Urdu.

} High School Examination of 1927.

CHAPTER XIV.

INTERMEDIATE EXAMINATION.

1. Every candidate for admission to the Intermediate Examination shall be required to have passed the Board's High School Examination, or to have passed an examination which by Regulation is declared equivalent thereto, before entering upon the course of study prescribed for the Intermediate Examination.

2. The following examinations are declared equivalent to the Board's High School Examination for the purpose of enabling candidates to enter upon the course of study prescribed for the Intermediate Examination :—

(1) the Matriculation Examination of any University established by law in India approved for the purpose by the Board. (The Matriculation Examinations of the following Universities are approved by the Board :—Allahabad, the Punjab, Bombay, Calcutta, Madras, Patna, Benares* and Aligarh*) ;

(2) the School-Leaving Certificate Examination of the United Provinces, or of another province, provided this examination is accepted as equivalent to Matriculation by the University established by law in that province ;

(3) the Cambridge School Certificate (formerly called Senior Local) Examination, provided a student has passed in five of such subjects as are recognized for the High School Examination

(*e*) Mathematics—through the medium of English, Hindi or Urdu.
(*f*) Domestic Science—through the medium of English, Hindi or Urdu.
} High School Examination of 1929.

* By Matriculation Examination of the Benares Hindu and Aligarh Muslim Universities the Admission Examination of the former and the High School Examination of the latter are meant.

of the Board of High School and Intermediate Education, United Provinces ;

(4) the Diploma Examination of the Chiefs' Colleges ;

(5) the High School Examination for European Schools in the Central Provinces and in other provinces ;

(6) the High School Certificate Examination of the Board of High School Education, Central Provinces ;

(7) the Anglo-Vernacular High School and the English High School Examinations of Burma ;

(8) the London University Matriculation Examination ;

(9) the English School-Leaving Certificate Examination of the Travancore State ;

(10) the High School-Leaving Certificate Examination of Hyderabad (Deccan), provided a candidate has passed in class I or class II ;

(11) the Secondary School-Leaving Certificate Examination of Mysore, provided a candidate has been declared eligible for admission to a University course ;

(12) the Diploma Examination of the Royal Indian Military College, Dehra Dun, so long as the syllabus and the standard of the examination continue to be the same as those of the examination recognized in the foregoing clause (4) ;

(13) the High School Examination of the Board of Secondary Education, Delhi, provided a candidate has passed the examination with an additional subject under Regulation 3, Chapter XI of the Delhi Board's Regulations, and provided, further, that he has passed in five

full subjects excluding Elementary Economics and (except in the case of female candidates) Physiology and Hygiene, and Domestic Science.

3. No candidate shall be admitted to the Intermediate Examination unless two academical years shall have elapsed since the date of his or her passing the High School or an equivalent examination :

* provided that candidates who have passed the Cambridge School Certificate (Senior Local) Examination may be admitted to the Intermediate Examination in the academical year following that in which they pass the Cambridge School Certificate Examination.

4. Any student who has kept one academical year at a college affiliated to the Universities of Calcutta, Madras, Bombay, Patna, Benares, the Punjab, Nagpur, Delhi or Aligarh after matriculation, may be allowed a year corresponding to that which he has so kept, provided he produces a satisfactory certificate from the Principal of a college affiliated to the Universities of Calcutta, Madras, Bombay, Patna, Benares, the Punjab, Nagpur, Delhi or Aligarh that the corresponding year has been duly kept according to the regulations in force at the University from which he has †migrated, and that the said Principal has no objection to his transfer.

* Candidates intending to appear under this proviso are eligible to appear as private candidates also, provided they fulfil the necessary conditions [*vide* Board's Resolution no. 24 (last paragraph), dated November 8, 1924.]

† The Board has framed no rules nor prescribed any form regarding migration of students from or to its territorial jurisdiction A candidate intending to migrate to a place outside the jurisdiction of the Board should communicate with the Divisional Inspector of Schools through the head of his last institution. In case the candidate is a resident of a place outside the United Provinces, he should communicate with the head of his last institution.

5. Every candidate for the Intermediate Examination shall be examined in English and any three of the following subjects :—

(1) Mathematics.
(2) Chemistry.
(3) Physics.
(4) Biology.
(5) Drawing.
(6) Economics.
(7) Civics.
(8) History and Allied Geography.
(9) Histories of Greece and Rome and Allied Geography.
(10) Geography.
(11) Logic.
(12) A Modern Indian Language (Urdu or Hindi or Bengali or Marathi or Gujarati), *or* a Modern European Language (German or French).
(13) A Classical Language, viz., Sanskrit, Arabic, Persian, Latin, Greek or Hebrew.
(14) *Physiology, Hygiene and Child-Study (for girls only).
(15) Physiology, Hygeine and Elementary Psychology (for boys only).

6. Any candidate who has passed the Intermediate Examination of the Board or an examination equivalent thereto may appear at any subsequent Intermediate Examination or Examinations conducted by the Board in any subject in which he has not previously passed the Intermediate Examination, provided that in the case of a subject for which practical work or a practical examination is prescribed he produces evidence satisfactory to

* A special subject intended to prepare girls either for the teaching profession or for domestic life (*vide* Board's Resolution no. 3, dated November 8, 1924).

the Board that he has completed the practical course prescribed for the subject.

7. *Any candidate who holds a certificate of having passed the High School Examination in English only under Regulation 7, Chapter XIII, or of having passed an examination equivalent to the High School Examination in English only under similar conditions, may be admitted as a private candidate to the Intermediate Examination in English only, provided at least one academical year shall have elapsed since the date of his or her passing the High School or an equivalent Examination in English, and such a candidate shall, if successful, be entitled to a certificate of having passed the examination in English only.

CHAPTER XV.

INTERMEDIATE EXAMINATION IN COMMERCE.

1. Every candidate for admission to the Intermediate Examination in Commerce shall be required to have passed the Board's High School Examination or an examination †equivalent thereto, and to have, since the passing of this examination, prosecuted a regular course of study for not less than two academical years at an institution recognized by the Board for the Intermediate Examination in Commerce.

2. ‡ Inspecting officers of an Education department and teachers in schools and colleges recognized by the

* Passing the High School Examination in all subjects may be accepted as a fulfilment of the condition of passing in English required in this Regulation, provided that the candidate has also passed a recognized public examination in an Oriental Language [*vide* Board's Resolution no. 34(*a*), dated November 6 and 7, 1925].

† See Regulation 2, Chapter XIV.

‡ Failed candidates of the Intermediate Examination in Commerce may also be admitted to a subsequent examination as private candidates under Regulations 16 and 17, Chapter XII (*vide* paragraph 6 of the report of the meeting of the Committee of Courses in Commerce held on November 8, 1923).

Board may be admitted to this examination as private candidates by special permission of the Board, provided that by the date of the examination not less than two academical years shall have elapsed since the date of their passing the High School Examination or an examination equivalent thereto.

3. The following are the subjects of examination. These may be arranged in alternative groups in such manner and with such additions and alterations as the Board may, from time to time, decide :—

Compulsory.

(1) English.
(2) Book-keeping and Accountancy.
(3) Business Methods and Correspondence.
(4) (*a*) Elementary Economics.
(*b*) Commercial Geography.

Optional.

One of the following :—

(1) Steno-typing (shorthand and typewriting).
(2) Elements of Banking.
(3) Elements of Industrial Organization.
(4) Mathematics.

CHAPTER XV(*a*).

Intermediate Examination in Agriculture.

1. Every candidate for admission to the Intermediate Examination in Agriculture shall be required to have passed the Board's High School Examination, or an examination equivalent * thereto, and to have, since the passing of this examination, prosecuted a regular course of study for not less than two academical years

* See Regulation 2, Chapter XIV.

at an institution recognized by the Board for the Intermediate Examination in Agriculture :

provided that a candidate who has passed the Intermediate Examination of the Board or an examination equivalent thereto with Chemistry and Biology as optional subjects, may be admitted to the Intermediate Examination in Agriculture after prosecuting a regular course of study for not less than one academical year since the date of his passing the aforesaid examination at an institution recognized by the Board for the Intermediate Examination in Agriculture.

2. The following are the subjects of examination arranged in groups. The Board may make such additions and alterations in them as it may from time to time decide :—

Group I.—Chemistry and Physics.
Practical Chemistry and
Practical Physics.

Group II.—Botany and Zoology.
Practical Botany and
Practical Zoology.

Group III.—Physical properties of soil, Soil Geology, Climatology.
Elements of Plant Feeding, Principles of Manuring.
Principles of Irrigation and Drainage.
Practical Farming.
Practical A.—Crop culture, Climatology.
Practical B.—Farm Machinery, Animal Husbandry.

Group IV.—English.
Translation and Composition.
Essay and Unseen passages from textbooks.

Group V.—Economics *or* Mathematics.

CHAPTER XVI.

ELECTION OF MEMBERS OF THE BOARD UNDER CLAUSES (*c*) AND (*e*) OF SUB-SECTION (1) OF SECTION 3 OF THE INTERMEDIATE EDUCATION ACT, 1921.

1. An election to fill any vacancy amongst members of the Board which is to be filled by election by Principals of Intermediate Colleges not maintained by Government or by Head Masters of High Schools not maintained by Government shall be held on such dates as the Chairman shall appoint.

2. As soon as the Chairman has fixed the date for election, the Secretary shall circulate a notice to every Principal or Head Master, as the case may be, inviting the nomination of a candidate other than himself for election within the time to be named in the notice. Such time shall be not less than a fortnight from the date of the issue of the notice. Such notice shall state the date and hour up to which nomination will be received by the Secretary at his office.

3. Within the said time any Principal or Head Master, as the case may be, may propose a candidate other than himself for election as a member, provided that such candidate is willing to stand for election. This proposal need not be seconded.

4. On the expiration of the period fixed by the notice, the Secretary shall, after scrutiny of the nominations received, prepare and send to every voter a list of candidates who have been duly nominated, and have not withdrawn their candidature, together with a voting paper, and shall also specify the date fixed for election and the time on the said date up to which votes must be deposited with him : provided that if the number of such candidates is equal to the number of vacancies, all such candidates shall be deemed to be elected ; and provided,

further, that if the number of such candidates is less than the number of vacancies, all such candidates shall be deemed to be elected, and the Secretary shall invite fresh nominations for the remaining vacancy or vacancies.

5. The voting paper must be signed by the voter and shall be placed by him in a sealed cover superscribed "Voting paper for the election of a member of the Board." He shall either deliver the cover in person to the Secretary at his office or send it by registered post to him. The voting paper must reach the Secretary before the expiry of the time fixed within which votes will be received. The Secretary shall deposit all covers containing voting papers in a safe in his office, until the time fixed by the Chairman for opening them, and for scrutinizing and counting the votes.

6. The Chairman shall appoint two members of the Board to act with the Secretary in the scrutiny and counting of the votes.

7. At the time fixed for opening the covers of the voting papers the covers shall be opened by the Secretary in the presence of the said members, and the voting papers shall then be duly scrutinized.

8. Every Principal or Head Master, as the case may be, of an institution recognized by the Board shall be entitled to vote. Every voter shall have as many votes as there are vacancies to be filled : provided that no voter shall give more than one vote to any one candidate. If more than one vote be recorded by a voter for the same candidate such votes shall be recognized as one vote. If the voter records more votes than the vacancies, his voting paper shall be declared invalid. The decision of the Secretary and the two members of the Board appointed to act with him shall be final as to

the validity of any votes recorded. In case of difference of opinion between them, the decision shall be in accordance with the opinion of the majority.

9. After the scrutiny is completed and the votes have been counted, a statement shall be prepared for submission to the Chairman, showing the number of valid votes received by each candidate. Such statement shall be signed by the Secretary and the said two members of the Board.

10. A candidate who has received the largest number of valid votes shall be deemed to be elected. In the event of two or more candidates obtaining an equal number of votes, the election shall be determined by lot to be drawn in the presence of the Secretary and the two members of the Board and in such manner as the Secretary may think fit.

11. The voting papers shall be preserved in the Secretary's office after the election till such time as the Chairman may direct.

CHAPTER XVII.

MISCELLANEOUS.

1. Detailed information regarding the examinations of the Board shall be given in the Prospectus of the Examinations, which is issued annually by the Secretary of the Board and can be obtained from the Superintendent, Government Press, Allahabad, on payment of the fixed price.

2. The rules of the Educational Code of the United Provinces of Agra and Oudh shall apply to all institutions recognized by the Board in so far as they are not inconsistent with these regulations.

3. The Board shall, from time to time, prepare such forms and registers as may be deemed necessary. The

forms when so prepared shall be appended to these regulations and shall, with such variations as circumstances may require, be used for the respective purposes therein mentioned.

4. The Board shall, for the purposes of a regular course of study, prescribe the minimum *number of meetings of a class that must be held in preparation for any of its examinations.

5. Admission to any class or section of a class shall be limited to a maximum of 35 scholars in a class or section of a class of a High School, excluding primary classes, and 45 in a section of the Intermediate classes : provided that in the case of colleges which were affiliated up to the Intermediate standard by the Allahabad University the maximum in a section may be 60 for a period of five years.

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* NOTE.—" The † minimum number of days that recognized institutions, including classes XI and XII, will be open will be 180 ; for other recognized institutions, the minimum number will be 200.

No candidate will be presented for an examination of the Board by a recognized institution unless he has been present (in classes IX and X in the case of the High School Examination and in classes XI and XII in the case of the Intermediate Examination) for at least 75 per cent. of the days the institution was open during two‡ academical years.

In the case of failed and § detained candidates the percentage will be calculated for one academical year only.

The head of a recognized institution may condone a deficiency of not more than six days. All cases in which this privilege is exercised will be reported to the Board.

The Board may, in very special cases, condone a deficiency of not more than 15 days."

† The minimum applies to the institution as a whole and not to attendance in class X or class XII separately (*vide* paragraph 16 of the minutes of the meeting of the Board held on November 30 and December 1, 1923).

‡ The two academical years need not be consecutive (*vide* resolution 20 of the meeting of the Examinations' Committee held on January 25, 1929, adopted by the Board).

§ The term " detained ' means detained for any cause either in class X or class XII (*vide* resolution 20 of the meeting of the Examinations' Committee held on January 25, 1929, adopted by the Board).

RULES OF THE EXAMINATIONS' COMMITTEE.

Rules for the scrutiny of marks and the checking of the results of failed candidates.

1. Any candidate who has failed at an examination conducted by the Board may apply to the Secretary for the scrutiny of his marks and the re-checking of his result.

2. Such applications must be made within two months from the date of the publication of the result and must be forwarded by the head of the institution or other authority who forwarded the candidate's original application for permission to appear at the examination.

3. All such applications must be accompanied by a copy of the Treasury chalan showing that the prescribed fee of Rs. 10 has been paid. In the case of candidates belonging to Indian States this fee must be sent in cash to the office of the Secretary.

4. A candidate shall not be entitled to a refund of the fee unless as a result of the scrutiny he is declared successful in the examination.

5. If on scrutiny and re-checking a failed candidate is found to have passed, his name shall be at once published in the Gazette in a supplementary list. In all other cases the result of the scrutiny shall be communicated to the candidate through the head of the institution or other forwarding authority as soon as possible.

6. The work of scrutiny does not include re-examination of the answer-books of a failed candidate. It consists of re-checking the marks entered in the answer-books with a view to seeing whether there has been any mistake in totalling the marks assigned to individual questions or in the form of omitting the marks assigned to any question.

Rules for communicating the aggregate marks obtained by a candidate at an examination.

(1) Only the aggregate marks obtained by a candidate will be communicated.

(2) Any candidate desiring to know the total marks obtained by him at an examination held by the Board shall send an application to the Secretary through the officer who forwarded his application for admission to the examination, not later than six months ordinarily after the publication of the results in the *United Provinces Government Gazette.*

(3) All such applications must be accompanied by a copy of the treasury chalan showing that the prescribed fee of Rs. 2 has been paid. In the case of candidates belonging to Indian States this fee must be sent by money-order to the Secretary.

N.B.—Fees sent by money order by candidates residing in the United Provinces will not be accepted.

(4) No refund of the fee shall be allowed.

(5) Each application should furnish necessary information on each of the following particulars :—

(*a*) The name and year of the examination.

(*b*) The name of the candidate.

(*c*) His roll number.

(*d*) The name of his college, or the district of which he was a resident.

(*e*) The name of his examination centre.

(*f*) The subjects offered.

LIST OF EXAMINATION CENTRES.

List of Centres for the Intermediate Examination of 1929.

1. St. John's College, Agra.
2. Radhaswami Educational Institute, Agra.
3. Ewing Christian College, Allahabad.
4. Kayastha Pathshala, Allahabad.
5. Government Intermediate College, Allahabad.
6. Government Intermediate College, Almora.
7. Bareilly College, Bareilly.
8. Queen's Intermediate College, Benares.
9. Christ Church College, Cawnpore.
10. D. A.-V. College, Cawnpore.
11. D. A.-V. Intermediate College, Dehra Dun.
12. Government Intermediate College, Etawah.
13. Government Intermediate College, Fyzabad.
14. St. Andrew's College, Gorakhpur.
15. Government Intermediate College, Jhansi.
16. Isabella Thoburn College, Lucknow.
17. Government Jubilee Intermediate College, Lucknow.
18. Christian Intermediate College, Lucknow.
19. Meerut College, Meerut.
20. Government Intermediate College, Moradabad.
21. N. R. E. C. Intermediate College, Khurja.
22. S. S. Memorial Intermediate College, Chandausi.
23. Government College, Ajmer.
24. Victoria College, Gwalior.
25. Indore Christian College, Indore.
26. Maharaja's Intermediate College, Jaipur.

List of Centres for the Commercial Diploma Examination of 1929.

1. St. John's College, Agra.
2. S. D. College of Commerce, Cawnpore.

3. D. A.-V. College, Cawnpore.
4. Christian Intermediate College, Lucknow.
5. S. S. Memorial Intermediate College, Chandausi.
6. Meerut College, Meerut.
7. Kayastha Pathshala College, Allahabad.
8. N. R. E. C. Intermediate College, Khurja.
9. Bareilly College, Bareilly.

List of Centres for the Agricultural Diploma Examination of 1929.

1. Ewing Christian College, Allahabad.
2. Sanatan Dharam College of Commerce, Cawnpore.

List of Centres for the High School Examination of 1929.

1. D. A.-V. Intermediate College, Dehra Dun.
2. Government High School, Saharanpur.
3. Government High School, Muzaffarnagar.
4. Government High School, Meerut.
5. Nanak Chand A. S. High School, Meerut.
6. Government High School, Bulandshahr.
7. N. R. Edward Coronation Intermediate College, Khurja.
8. Government High School, Aligarh.
9. Phul Chand Bagla A. S. High School, Hathras.
10. Government High School, Muttra.
11. Government High School, Agra.
12. St. John's High School, Agra.
13. Radhaswami Educational Institute, Agra.
14. Government High School, Mainpuri.
15. Government High School, Bareilly.
16. Government Bullock High School, Najibabad.
17. Government High School, Budaun.
18. Government Intermediate College, Moradabad.
19. Shiam Sundar Memorial Intermediate College, Chandausi.

20. Government High School, Shahjahanpur.
21. Government High School, Farrukhabad.
22. Government High School, Fatehgarh.
23. Government Intermediate College, Etawah.
24. Government High School, Cawnpore.
25. P. Prithi Nath High School, Cawnpore.
26. Government Intermediate College, Allahabad.
27. Kayastha Pathshala Intermediate College, Allahabad.
28. City A.-V. High School, Allahabad.
29. Government Intermediate College, Jhansi.
30. MacDonnell High School, Jhansi.
31. Queen's Intermediate College, Benares.
32. London Mission High School, Benares.
33. Jai Narain's High School, Benares.
34. Udai Pratap College and Hewett Kshattriya High School, Benares.
35. Government High School, Jaunpur.
36. Government High School, Ballia.
37. Government Jubilee High School, Gorakhpur
38. Wesley High School, Azamgarh.
39. Government High School, Basti.
40. Government High School, Naini Tal.
41. Government Intermediate College, Almora.
42. Government High School, Srinagar (Garhwal).
43. Government Jubilee Intermediate College, Lucknow.
44. Husainabad Government High School, Lucknow.
45. Christian Intermediate College, Lucknow.
46. Isabella Thoburn Intermediate College, Lucknow.
47. Government High School, Sitapur.
48. Government High School, Unao.
49. Government High School, Rae Bareli.

50. Government Intermediate College, Fyzabad.
51. Government High School, Gonda.
52. Government High School, Ajmer.
53. Maharana's Intermediate College, Udaipur.
54. Maharaja's Intermediate College, Jaipur.
55. Victoria College, Lashkar (Gwalior).
56. Government High School, Nowgong.
57. Maharaja Shivaji Rao High School, Indore.
58. Government Residency High School, Indore.

RATES OF HONORARIA.

I.—Intermediate Examination.

		Rs.	a.	p.	
1.	For setting a full paper.	40	0	0	
2.	For marking each answer-paper.	1	0	0	
3.	For the Practical Examination in Science (to the External Examiner only).	1	8	0	Per candidate with a minimum of Rs. 30 per college.
4.	To the Head Examiner, in addition to the fee for marking answer-papers				Rupees 50 to be paid in respect of each sub-examiner (if any) working under him, no additional fee being paid for re-examining marked answer-books received from sub-examiners, or for supplying models to them. Ten models at least should be supplied to each sub-examiner, and at least 30 marked answer-books of each sub-examiner should be called for in three instalments and re-examined

		Rs. a. p.	
			by the Head Examiner.
5.	For translating a paper.	30 0 0	
6.	For the Examiner who collaborates with the translators (Urdu, Hindi and Bengali) of English III paper for the purpose of avoiding divergences between the Vernacular renderings—the same fee as for setting each of these papers.		
7.	To the Head Examiner in each practical examination in Science.	Rs. a. p. 10 0 0	Per hundred candidates with a minimum fee of Rs. 50 for the whole work.

II.—HIGH SCHOOL EXAMINATION.

		Rs. a. p.	
1.	For setting a paper.	30 0 0	
2.	For marking each answer-paper.	0 8 0	
3.	For marking Dictation and Shikast sheets.	15 0 0	Per hundred candidates.
4.	For Oral and Practical Examination per candidate.	2 0 0	With a minimum of Rs. 20 for each institution.
5.	To the Head Examiner, in addition to	40 0 0	On the same conditions as in the Intermediate.

		Rs. a. p.	
	the fee for marking answer-papers or setting questions.		
6.	For translating a paper.	20 0 0	
7.	To the Head Examiner for checking Oral or Practical work done by Sub-Examiners.	10 0 0	Per hundred candidates.
8.	For setting a paper in Dictation and in Urdu Shikast.	15 0 0	

9. For the Examiner who collaborates with the translators (Urdu, Hindi and Bengali) of English III paper for the purpose of avoiding divergences between the Vernacular renderings—the same fee as for setting each of these papers.

III.—INTERMEDIATE EXAMINATION IN COMMERCE.

		Rs. a. p.
1.	For setting a paper.	30 0 0
2.	For marking each answer-paper.	1 0 0

IV.—Intermediate Examination in Agriculture.

		Rs.	a.	p.
1.	For setting a paper	30	0	0
2.	For marking each answer-paper.	1	0	0
3.	For the practical examination per candidate.	1	0	0
4.	For translating a paper.	20	0	0

The Boards of Moderators for the Board's Examinations of 1930.

(1) ENGLISH.

(1) P. Seshadri, Esq., M.A., Principal, Sanatan Dharma College, Cawnpore.

(2) B. Sanjiva Rao, Esq., M.A., Principal, Queen's Intermediate College, Benares.

(3) Pandit Amaranatha Jha, M.A., Reader, Allahabad University, Allahabad (to act as convener).

(2) MANUAL TRAINING.

(1) Lala Wazir Sahai, Chief Engineer, Improvement Trust, Allahabad.

(2) G. F. Worthen, Esq.. Officer on Special Duty, Office of Director of Public Instruction, United Provinces, Allahabad (to act as convener).

(3) DRAWING.

(1) A. K. Haldar, Esq., Principal, Government School of Arts and Crafts, Lucknow.

(2) Lala Wazir Sahai, Chief Engineer, Improvement Trust, Allahabad.

(3) G. F. Worthen, Esq., Officer on Special Duty, Office of Director of Public Instruction, United Provinces, Allahabad (to act as convener).

(4) ECONOMICS.

(1) S. K. Rudra, Esq., M.A., Reader, Allahabad Universersity Allahabad.

(2) C. D. Thompson, Esq., M.A., Allahabad University, Allahabad (to act as convener).

(5) LOGIC.

(1) A. C. Mukerji, Esq., M.A., Lecturer, Allahabad University, Allahabad.

(2) Narayan Das, Esq., B.A., Principal, Radhaswami Educational Institute, Agra.

(3) Lala Diwan Chand, M.A., Principal, Dayanand Anglo-Vedic College, Cawnpore (to act as convener).

(6) DOMESTIC SCIENCE, PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(1) Dr. K. N. Bahl, Professor, Lucknow University, Lucknow.

(2) Dr. S. H. Commissariat, Superintendent, Medical Aid to Women, Lucknow.

(3) Miss H. G. Stuart, Chief Inspectress of Girls' Schools, United Provinces, Allahabad (to act as convener).

(7) LATIN AND FRENCH.

(1) W. E. Andrews, Esq., M.A., Principal, La Martiniere College, Lucknow.

(2) A. A. Simpson, Esq., M.A., Principal, Training College, Allahabad (to act as convener).

(8) MATHEMATICS.

(1) A. M. Kureishy, Esq., Principal, Aligarh Muslim University Intermediate College, Aligarh.

(2) J. A. Strang, Esq., M.A., B.Sc., Professor, Lucknow University, Lucknow.

(3) R. H. Moody, Esq., M.A., Deputy Director of Public Instruction, United Provinces, Allahabad (to act as convener).

(9) BIOLOGY.

(1) Dr. K. N. Bahl, Professor, Lucknow University, Lucknow.

(2) Dr. W. S. Dudgeon, Professor, Ewing Christian College, Allahabad (to act as convener).

(10) GEOGRAPHY.

(1) W. E. Andrews, Esq., M.A., Principal, La Martiniere College, Lucknow.

(2) Munshi Lal Agarwala, Esq., Lecturer, Training College, Allahabad.

(3) H. B. Wetherill, Esq., M.A., Inspector of Schools, Lucknow division, Lucknow (to act as convener).

(11) HISTORY AND CIVICS.

(1) Dr. Beni Prasad, Reader, Allahabad University, Allahabad.

(2) Parmanand, Esq.. M.A., Lecturer, Allahabad University, Allahabad.

(3) Dr. Tara Chand, M.A., D.PHIL., Allahabad University, Allahabad (to act as convener).

(12) CHEMISTRY.

(1) Dr. K. C. Pandya, Professor, St. John's College, Agra.

(2) Dr. N. R. Dhar, Professor, Allahabad University, Allahabad.

(3) Dr. S. M. Sane, Professor, Lucknow University, Lucknow (to act as convener).

(13) PHYSICS.

(1) Saligram Bhargava. Esq., M.SC., Reader, Allahabad University, Allahabad.

(2) Dr. Wali Mohammad, Professor, Lucknow University, Lucknow (to act as convener).

(14) COMMERCE.

(1) Dr. D. Pant, Professor, Lucknow University, Lucknow.

(2) B. N. Chopra, Esq., Professor, S. D. College of Commerce, Cawnpore.

(3) J. P. Srivastava, Esq., M.Sc., Civil Lines, Cawnpore (to act as convener).

(15) SANSKRIT, HINDI, BENGALI, MARATHI AND GUJARATI.

(1) J. L. Sathe, Esq., I.C.S., Excise Commissioner, United Provinces, Allahabad.

(2) Rai Sahib Babu Shyam Sundar Das, B.A., Professor, Benares Hindu University, Benares.

(3) Dr. P. K. Acharya, M.A., Ph.D., D. LITT., Professor, Allahabad University, Allahabad.

(4) Pandit Ayodhya Nath Sharma, Professor, S. D. College of Commerce, Cawnpore.

(5) A. B. Dhruva, Esq., M.A., Pro-Vice-Chancellor, Benares Hindu University, Benares (to act as convener).

(16) AGRICULTURE.

(1) H. N. Batham, Esq., Professor, Agricultural College, Cawnpore.

(2) C. Maya Das, Esq., Principal, Agricultural College, Cawnpore.

(3) Dr. S. Higginbottom, Principal, Allahabad Agricultural Institute, Naini, Allahabad (to act as convener).

(17) ARABIC, PERSIAN AND URDU.

(1) Dr. Tara Chand, Principal, Kayasth Pathshala University College, Allahabad.

(2) S. M. Zamin Ali, Esq., M.A., Lecturer, Allahabad University, Allahabad.

(3) Mahdi Husain Nasiri, Esq., M.A., Head Master, Government High School, Aligarh (to act as convener).

MISCELLANEOUS RULES.

Travelling Allowance Rules.

All members of the Board and of Committees appointed by the Board (official and non-official) attending meetings, and examiners and inspectors appointed by the Board who are required to perform journeys on duty are entitled to travelling and halting allowances such as are admissible to first-class officers according to the rules laid down in Financial Handbook, volume III.

Maximum and minimum marks assigned to the various subjects for the examination of 1930.

High School Examination.

Maximum marks	..	150 in English and 100 in every other subject.
Minimum pass marks	..	50 in English and 33 in every other subject.

Intermediate Examination.

Maximum marks	..	150 in English and 100 in every other subject.
Minimum pass marks	..	50 in English and 33 in every other subject.

Intermediate Examinations in Commerce and Agriculture.

Maximum marks	..	100 in each subject.
Minimum pass marks	..	33 ditto.

Distinction.

Minimum marks required	75 per cent. of the aggregate marks in a subject.

Division.

Minimum pass marks required for division I.	60 per cent. in the aggregate.
Minimum pass marks required for division II.	45 per cent. in the aggregate.
Minimum pass marks required for division III.	33 per cent. in the aggregate.

COURSES OF STUDY.

HIGH SCHOOL EXAMINATION OF 1930.

A.—Compulsory Subjects.

1.—ENGLISH.

Three papers, each of three hours, will be set—(1) on the Prescribed Course in Prose and Poetry with questions on Grammar, Idiom, etc.; (2) on Unseen Passages with questions on Grammar and Idiom; (3) passages in an Indian vernacular for translation into English and a simple narrative or descriptive composition in English. There will be no oral test, but there will be an examination in English dictation at each centre.

Books prescribed :—

Group A.—

1. Macmillan's English Prose Selections.
2. Modern English Prose by Brown, Macmillan's.
3. Jones' English Prose Selections (Indian Press, Ltd., Allahabad. Revised edition, 1927).

Group B.—

1. Paths of Peace, Book II, by Mrs. Laurence Binyon, Oxford University Press.
2. Self-Help, by Smiles, National Press, Allahabad.
3. Heroes of Exploration (Ker and Cleaver)—*Blackie and Sons, Limited.*

Group C.—

1. Indian Schools Book of Verse, Part II, from which the following poems are prescribed :—

The Slave's Dream; The Plate of Gold; The Honest Man; Incident of the French Camp; The Old Order Changeth; My Heart Leaps Up; Under the Greenwood Tree; Blow, Blow, Thou Winter Wind; The Burial of Sir John Moore; Abou Ben Adhem; The Brook; Ring Out Wild Bells.

2. High School Poetry (Indian Press, Limited, Allahabad), the whole book omitting " The Tiger," " The Isles of Greece," and "Horatius," Stanzas 1—20, 27, 28, 33, 34, 36—43, 45, 46, 54—57 and 60—64.

3. School Favourites, from which the following poems are prescribed ;—

Lochinvar ; The Poet's Song ; The Honest Man ; The Plate of Gold ; The Deserted Village ; To a Waterfowl ; To the Cuckoo, by Wordsworth ; The Daffodils, by Wordsworth ; Alexander Selkirk ; A Psalm of Life ; Ring Out Wild Bells ; The Spacious Firmament.

N.B.—The above text-books are arranged in three groups.—A, B and C. Group A contains books of Prose Selections, Group B books of Inspirational Stories, and Group C books of Poetry. Every school must select for study one book only from each of the above groups.

Books recommended for rapid reading and indicating the standard of the unseen passages to be set in the second paper :—

1. Folk Tales of the Nations (Nelson).

2. Scott's Ivanhoe (abridged), by P. Wren. *Oxford University Press, Hornby Road, Bombay.* Re. 1.

3. Stories from the Arabian Nights (Senior Series). *Longmans, Green & Co.* 8*d.*

4. Scott's Ivanhoe, Victory Series.

5. Tanglewood Tales, by N. Hawthorne. *Longmans, Green & Co.* 1*s.*

6. *Stories from Arabian Nights (Teaching of English Series, Nelson's).

7. Tales from Dickens, by T. F. O'Donnell.

8. Jungle Book, Kipling (Macmillan's).

9. A Persian Hero. Edited by W. Grandy, *Macmillan & Co.* 1*s.*

10. Stories from Tagore. *Macmillan & Co.*

11. The Cloister and the Hearth, by Charles Reade. Abridged and simplified by S. G. Dunn. *Oxford University Press, Hornby Road, Bombay.* Re. 1.

12. The Cloister and the Hearth, by Armour (Victory Series).

13. Stories from Shakespeare, Wyatt. *Oxford University Press.*

14. The Story of Francis Drake, by H. R. Ford. *Herbert Strang's Readers, Grade IV. Oxford University Press, Bombay.* 1*s.*

15. Stories from Don Quixote, by H. Martin, published by the Standard Publishing House (Messrs. Atma Ram & Sons), Lahore.

16. Stories of Greece and Rome, by H. Johnstone. *Longmans, Green & Co.*

17. Indian Legends by Amaranatha Jha. (Victory Series.)

18. Shakespeare in Prose, by I. C. Fortey (Blackie).

19. Tales from Indian History, by A. S. Roe. (Macmillan.)

20. The Use of Life, by Lord Avebury.

21. Tales of Troy, retold in English by Aubrey Stewart, and edited by T. S. Peppin, *Macmillan & Co., Ld.* Price, 1*s.* 9*d.*

22. Robinson Crusoe, abridged by Henry Martin (Ram Narain Lal).

23. Rob Roy, abridged (Macmillan's).

24. The Golden Company (Oxford University Press).

25. Lamb's Tales from Shakespeare (Indian Press School Classics).

II.—MATHEMATICS.

There will be two papers, each of three hours—one in Arithmetic and Algebra and the other in Geometry and Mensuration.

SYLLABUS.

1. *Arithmetic and Algebra.*—The four simple rules; British and Metric systems of measurement; Factors; Prime numbers; H. C. F. and L. C. M.; Decimal fractions (including conversion of a recurring decimal to a vulgar fraction and conversely); Square Root; Ratio, and Proportion; Average; Percentages; Profit and loss; Interest, simple and compound; Present worth and discount; Simple equations of one or more unknown quantities; Quadratic equations of one unknown quantity; Graphs of statistics; Graphs of straight lines, and graphical solution of linear simultaneous equations; Problems.

N.B.—Candidates will be provided with squared paper, if necessary.

2. *Geometry and Mensuration.*—The course includes theoretical, practical and numerical Geometry, and every candidate will be expected to answer questions in both branches of the subject. The questions on Practical Geometry will be set on the constructions contained in the annexed Schedule A, together with easy extensions of them. All figures should be drawn accurately, for which purpose every candidate should provide himself with a graduated scale, a pair of set squares, a protractor, a compass, and a hard pencil. The questions on Theoretical Geometry will consist of theorems and problems contained in the annexed Schedules A and B, together with easy extensions and deductions with numerical illustrations. Any proof of a proposition will be accepted which appears to the examiners to form part of a systematic treatment of the subject; the order in which the theorems are stated in Schedule B is not imposed as

the sequence of their treatment. In the proof of the theorems hypothetical constructions will be permitted.

N.B.—Candidates will be provided with squared paper, if necessary.

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of the construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts.

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a rectangle equal to a given polygon.

Construction of a rectangle on a given base equal in area to a given rectangle.

Construction of a square equal to a given rectangle.

Construction of a rectangle of given area the sum or difference of whose sides is given. (These constructions should be based on the propositions on the Geometry of the circle.)

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines (as corollaries to previous constructions of rectangles).

Construction of regular figures of 3, 4, 6 or 8 sides in or about a given circle.

Mensuration of triangles and simple rectilineal figures; finding their area by means of field-book; application of

formulæ for length of circumference and for area of a circle in terms of its radius.

SCHEDULE B.

Angles at a point.

If a straight line stands on another straight line the sum of the two angles so formed is equal to two right angles; and the converse.

If two straight lines intersect, the vertically opposite angles are equal.

Parallel straight lines.

When a straight line cuts two other straight lines, if—

(i) a pair of alternate angles are equal; or,

(ii) a pair of corresponding angles are equal; or

(iii) a pair of interior angles on the same side of the cutting line are together equal to two right angles, then the two straight lines are parallel; and the converse.

Straight lines which are parallel to the same straight line are parallel to one another.

Triangles and rectilineal figures.

The sum of the angles of a triangle is equal to two right angles.

If the sides of a convex polygon are produced in order the sum of the angles so formed is equal to four right angles.

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles containing by these sides equal, the triangles are congruent.

If two triangles have two angles of the one equal to two angles of the other, each to each, and also one side of the one equal to the corresponding side of the other, the triangles are congruent.

If two sides of a triangle are equal, the angles opposite to these sides are equal; and the converse.

If two triangles have the three sides of the one equal to the three sides of the other, each to each, the triangles are congruent.

If two right-angled triangles have their hypotenuses equal and one side of the one equal to one side of the other, the triangles are congruent.

If two sides of a triangle are unequal, the greater side as the greater angle opposite to it; and the converse.

Of all the straight lines that can be drawn to a given straight line from a given point outside it, the perpendicular is the shortest.

The opposite sides and angles of a parallelogram are equal, each diagonal bisects the parallelogram and the diagonals bisect one another.

If there are three or more parallel straight lines and the intercepts made by them on any straight line that cuts them are equal, then the corresponding intercepts on any other straight line that cuts them are also equal.

Areas.

Parallelograms on the same or equal bases and of the same altitude are equal in area.

Triangles on the same or equal bases and of the same altitude are equal in area.

Equal triangles on the same or equal bases are of the same altitude.

Illustrations and explanations of the geometrical theorems corresponding to the following algebraical identities :—

$$(a + b + c + ..) = ka + kb + kc + ..$$

$$(a \times b)^2 = a^2 \times 2ab \times b^2.$$

$$(a - b)^2 = a^2 - 2ab + b^2.$$

$$a^2 - b_2 = (a + b)(a - b).$$

The square on a side of a triangle is greater than, equal to, or less than the sum of the squares on the other two sides, according as the angle contained by these sides is obtuse, right or acute. The difference in the case of inequality, is twice the rectangle contained by one of the two sides and the projection on it of the other.

In any triangle the sum of the squares on two sides is equal to twice the square on half the base together with twice the square on the median which bisects the base.

Loci.

The locus of a point which is equidistant from two fixed points is the perpendicular bisector of the straight line joining the two fixed points.

The locus of a point which is equidistant from two intersecting straight lines consists of the pair of straight lines which bisect the angles between the two given lines.

The circle.

A straight line drawn from the centre of a circle to bisect a chord which is not the diameter is at right angles to the chord; conversely, the perpendicular to a chord from the centre bisects the chord.

There is one circle and one only which passes through three given points not in a straight line.

In equal circles (or in the same circle)—(i) if two arcs subtend equal angles at the centres they are equal; (ii) conversely, if two arcs are equal, they subtend equal angles at the centre.

In equal circles (or in the same circle)—(i) if two chords are equal, they cut off equal arcs; (ii) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords in a circle are equidistant from the centre; and the converse.

The tangents at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the centres.

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal, and if the line joining two points subtends equal angles at two other points on the same sides of it, the four points lie on a circle.

The angle in a semi-circle is a right angle, the angle in a segment greater than a semi-circle is less than a right angle, and the angle in a segment less than a semi-circle is greater than a right angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary ; and the converse.

If a straight line touch a circle, and from the point of contact a chord be drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle intersect either inside or outside the circle the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

The following books are suggested :—

For *Algebra*—

Ross : Elementary Algebra, Part I. *Longmans, Green & Co.*

Baker and Bourne : Elementary Algebra, Part I. *G. Bell & Sons.*

H. S. Hall : School. Algebra, Parts I and II. *Macmillan & Co.*

In *Geometry*—

Hall and Stevens : A Shorter School Geometry, Parts I and II. *Macmillan & Co.*

Parkinson and Pressland : A Primer of Geometry, Clarendon Press, Oxford (Indian edition). Rs. 1-12.

PIERPOINT'S Elements of Geometry.

III.—HISTORY.

There will be two papers, each of three hours :—

(i) Indian History and Allied Geography, and

(ii) English History and Allied Geography.

Indian History.

Indian History in outline from the earliest time to the present day.

The following syllabus is suggested :—

I.—The influence of Geography on Indian History.

II.—Ancient India—

A. Vedic period till 600 B. C.

1. The Dravidians.
2. The Aryan immigration.
3. Character of culture—
   (*a*) Vedic religion—outline.
   (*b*) Vedic society—caste, woman.
   (*c*) Literature—Veda (Brahman, Upanishad, Smriti).

B. Buddhists period 600—180 B.C.

1. Life and teaching of Buddha.
2. Mauryas, Asoka.
3. Culture—
   (*a*) Dharma.
   (*b*) Government.

C. Hindu period 180 B. C.—650 A. D.

1. Sungas, Kanvas, Andhras.
2. Yuechis, Kushanas, Kanishka.
3. Guptas—Samudragupta, Chandragupta, Vikramaditya.
4. Harsha.

5. Culture—
   (*a*) Religion—Puranas, Epic (toleration).
   (*b*) Literature—Kalidasa.
   (*c*) Art—Ajanta, Amaravati.

D. Rajput period 650 A. D.—1200 A.D.

1. The origin of Rajputs.
2. Rajput kingdoms, Chauhans, Chandels, Gaharwar (Rathor).
3. The South—Pandyas, Pawars, Cholas and Keralas.
4. The Deccan—Yadavas, Chalukyas, Rashtrakutas.

III. Medieval India—

A. Early Mediæval.

1. Life and teaching of Muhammad.
2. The Arab expansion.
3. The Turks and their kingdoms.
4. Turkish invasions—
   (*a*) Mahmud of Ghazni.
   (*b*) Muhammad Shahab-ud-din Ghori.
   (*c*) The Slave kings—Balban and Mongol invasions.
   (*d*) The Khiljis, Ala-ud-din, and conquest of the south.
   (*e*) The Tughlaks—Muhammad and Firoz—breakup of early mediæval empire.
   (*f*) Provincial principalities and invasion of Timur.
   (*g*) The Hindu kingdoms of the south.
   (*h*) Culture.

Religion—Kabir.

Literature—Growth of Modern Indian Languages.

B. Later mediæval—

(*a*) 1. Sayyads and Lodis—Dissensions.

2. Babar and Humayun—Conquest and failure.

3. Sher Shah.

4. Akbar—Conquest and Consolidation.

5. Jahangir, Shahjahan—Prosperity.

6. Aurangzeb—

Religious quarrels.

Conquest of the south.

7. Successors of Aurangzeb.

Decay of Empire.

(*b*) Mahrattas—Shivaji—The struggle with the Mughals—The Peshwas up to 1761.

(*c*) Sikhs—Nanak and Guru Govind Singh.

(*d*) Early European settlements, 1600—1708.

1. Portuguese—Discovery of the route from Europe to India.

2. Dutch—Settlement in the Spice archipelago.

3. English—Embassies to Mughal emperors and establishment of factories.

4. French—Establishment of factories.

(*e*) Culture—

Religion, Bhakti Movement.

Art—Taj.

Literature 1. Hindi—Tulsidasa, Surdasa, Rahim, Malik, Md. Jaisi.

2. Urdu.

IV. Modern India—

A. 1. Struggle between the empire and the Mahrattas.

2. Break-up of the empire and the establishment of Subedars.

3. Sikhs—Ranjit Singh.

4. Mahratta and other Indian States.

B. 1. Struggle of the European Powers. The French and the British (1700—1763).

2. Struggle between the English and Indian Princes (1756—1774). Conquest of Bengal.

C. British rule, 1774—1857—

1. Warren Hastings—
   (i) Regulating Act.
   (ii) Internal difficulties.
   (iii) Wars with the Indian rulers.
2. Cornwallis—
   (i) The permanent settlement.
   (ii) Wars with Indian rulers.
3. Wellesly—
   (i) The subsidiary alliance system.
   (ii) The French rivalry.
   (iii) Wars and expansions of British territory.
4. Minto—

   Embassies to Asiatic Powers.

5. Hastings—Nepal War, Mahratta wars.
6. Bentinck Reforms.
7. Auckland and Ellenborough—Afghan Wars.
8. Hardinge—Punjab War.
9. Dalhousie—Completion of dominions.

D. British rule, 1857—1919—

(*a*) Wars and expansions.
   1. Afghanistan.
   2. Burma.

(*b*) Internal developments—
   1. Constitutional, 1861, 1892, 1909, 1919.
   2. Local Self-Government.
   3. Education.
   4. Justice.
   5. Administration.

(*c*) National movements—
   1. Hindu reforms.
   2. Muslim reforms.

3. Growth of Nationalism, Indian National Congress.

The following books indicating the scope and standard of knowledge required are recommended :—

1. *V. A. Smith*—Oxford Student's History of India. (Clarendon Press, Oxford). Rs. 2.

2. *R. D. Banerji*—History of India (The Book Co., College Square, Calcutta).

3. *Thompson.*—History of India (Christian Literature Society, Madras).

4. *Har Prasad Shastri.*—History of India (Blackie).

5. *Hoernle and Stark.*—A History of India (Orissa Mission Press, Cuttack).

6. *E. B. Havell.*—A Short History of India (Macmillan & Co.)

7. Student's Atlas of Indian History (Macmillan).

8. *Manmatha Nath Rai*—History of India in Urdu and Hindi, second edition (Nand Kishore & Bros., Benares).

9. *Ishwari Prasad*—Student's History of India in Hindi and Urdu, second edition. (The Indian Press, Allahabad).

10. *B. N. Mehta*—A Handbook of Indian History in Hindi (University Book Depot, Agra).

English History.

English History in outline from 1485 *A. D. to* 1914.

The folowing syllabus is suggested :—

I.—The influence of Geography on English History—

II.—History of England, 1485—1688—

A.—Introductory to 1485—

(*a*) Growth of Parliament.

(*b*) Evolution of commerce and industry.

(*c*) Social changes.

(*d*) Relations with European countries, especially France.

B.—Tudors, 1485—1603—

(1) Monarchy and Parliament.

(2) Religious evolution.

(3) Growth of Commerce.

(4) Discoveries and beginning of colonial and sea-power.

(5) Relations with European Powers.

C.—Early Stuarts, 1603—1649—

(1) Monarchy and Parliament.

(2) Religion—Puritans and Anglicans.

(3) Commercial and Colonial expansion.

(4) Civil War.

D.—The Commonwealth, 1649—1660—

(1) Cromwell—

(*a*) Scotland and Ireland.

(*b*) European powers, navigation laws.

(*c*) Religion—Growth of Puritans.

(*d*) Parliament.

E.—Later Stuarts, 1660—1688—

(1) Parliament—

(*a*) Parties.

(*b*) Cabinet.

(2) Relations with European Powers—France and Holland.

(3) Colonial and Commercial expansion.

III.—Constitutional Government, 1688—1919—

A.—William and Mary and Anne, 1688—1714.

(1) Bill of Rights.

(2) Parliament—

(*a*) Whigs and Tories.

(*b*) Cabinet.

(3) Affairs of Ireland.

(4) Relations with European Powers and growth of Colonial Powers.

B.—Early Hanoverians, 1714—1763—

(1) Walpole, Pitt.

(2) European Wars.

(3) Colonial expansion.

C.—Later Hanoverians, 1763—1830—

(1) Industrial Revolution.

(2) American Revolution.

(3) French Revolution, Wars with France.

(4) Ireland—Union.

D.—Rise of Democracy—

(1) 1830—1885.

(1) Reforms 1830, 1867, 1885.

(2) Relation with Europe—

Crimean War ; England and Russia.

(3) Imperial development.

(2) 1885—1919.

(1) England and Russia.

,, ,, Germany.

,, ,, Empire.

(2) Ireland.

(3) Internal developments—

(*a*) Parliament.

(*b*) Commerce and Industry.

The following books indicating the scope and standard of knowledge required are recommended :—

1. S. R. Gardiner.—A School Atlas of English History. (Longmans, Green & Co.).

2. Ed. J. S. Lay.—The English People (Macmillan).

3. Oman.—Junior History of England (Arnold).

4. S. R. Gardiner.—Outline of English History (Longmans, Green & Co.).

5. T. F. Tout.—A History of Great Britain, Book II. (Longmans, Green & Co.)

6. Kerr and Rushbrook Williams.—Growth of the British Empire (Longmans, Green & Co.).

7. Macmillan's Atlas of the British Empire.

8. Guest, G.—Outlines of British History (Oxford University Press, 1922). 2*s.* 6*d.*

9. Pupils' Study Book of English History by J. T. Mulley, Books II, III and IV, published by E. J. Arnold & Sons.

10. Raghu Kul Tilak : A History of Modern England, Urdu and Hindi (Indian Press, Allahabad).

11. S. D. Tripathi Shastri : History of the English People, Urdu and Hindi (Macmillan & Co.).

12. Ram Krishna Mathur : A Handbook of English History available in one volume (Hindi and Urdu versions), (S. S. Mathur, Anand Pushtakalaya, Cawnpore).

or

Geography.

There will be two papers, each of three hours' duration, as follows :—

Paper I—General Geography of the World outside of India (sections I and II of the syllabus).

Paper II—India and its world relations (section III of the syllabus).

SYLLABUS.

I. (*a*) Shape of the Earth ; rotation and revolution ; latitude and longitude ; simple map projections ; duration of day and night ; seasons.

(*b*) Outlines of the relief and drainage of the lands and the nature and origin of the chief land-forms, including coastal configuration.

(*c*) The atmosphere. Weather and climate. Seasonal distribution over the globe of insolation, temperature, pressure, and rainfall. Winds ; Ferrels' law ; Buys Ballot's law, cyclones and anti-cyclones. Climatic regions.

II. (*a*) The world treated according to its major natural regions. The knowledge of the principles of physical geography and of the geographical distributions should be applied to the study *in outline* of the major natural regions of the world.

(*b*) The influence of his environment on man, his activities, his industries ; exchange of commodities : communications ; growth of towns.

III. Geography of India in fuller detail. Its relations, physical and climatic, with contiguous areas ; and its commercial relations with the world in general.

Books recommended :—

The world in outline (Indian Press, Allahabad). Re. 1.

Herbertson : Junior Geography (Oxford University Press). 3*s*. 6*d*.

Herbertson (F. D.) : Elementary Geography, Vol. I : Physiography. 2*s*.

L'Estrange : Junior Course of Comparative Geography (Philip) 3*s*. 6*d*.

Morrison : Junior Geography of India, Burma and Ceylon (Nelson). Price, 12 annas.

Morrison : New Geography of the Indian Empire and Ceylon (Nelson). Price, Re. 1.

Indian School Atlas (Oxford University Press). Price Re. 1-6.

Philip's Visual Contour Atlas for India.

Johnston's Indian New Era Atlas.

Books of reference for teachers :—

Herbertson : Senior Geography (Oxford University Press). 3*s*. 6*d*.

Tar and MacMurry : World Geography (Macmillan). 5*s*.

Chisholm : Smaller Commercial Geography (Longmans). 3*s*. 6*d*.

Lyde : Man and his Markets (Macmillan). 2*s*.

Herbertson : Man and his Work (Black). 1*s*. 6*d*.

Davis : Elementary Physical Geography (Ginn). 5*s*. 6*d*.

Mill : Realm of Nature (Murray). 5*s*.

F. G. French and L. Dudley Stamp.—The Indian Empire, Part I, Longmans, Green & Co.

H. Mackay : The Oxford Picture Geographies—Mountains and Plains, Rivers, the Coast. (Oxford University Press.)

Unstead and Taylor : Essentials of World Geography (Philip). 2*s*.

Books recommended for general reading for boys :—

Leonard Brooks : New Regional Geographies, Book IV. London University Press.

W. H. Barker and L. Brooks : Junior Regional Geographies, Book III. London University Press.

C. Morrison : Our World (Macmillan's).

Lyde : Man on the Earth (Blackie).

High Roads to Geography (Nelson).

Lands and their Stories (Blackie).

Peeps into Many Lands (Black).

IV.—MODERN INDIAN LANGUAGES.

There will be two papers, each of three hours, in each of these languages—one paper will be set in Prose Text and Unseen, and the other in Poetry Text and Composition. Grammatical questions will be set in both the papers. The ability of the Urdu candidates to read *shikast* will be tested by means of a paper set for the purpose.

The following are the text-books prescribed :—

Hindi.

Poetry : — प्रवेशिका पद्यावली Part I (published by the Nagri Pracharni Sabha, Benares).

2. मौर्य विजय by Siya Ram Sharan Gupta (Sahitya Sadan, Chirgaon, Jhansi).

Prose :— आदर्श जीवन by Pandit Ramchandra Shukla (Nagri Pracharini Sabha, Benares).

Special attention should be paid to Hindi Composition. The following books are recommended for Grammar and Composition :—

1. रचना प्रबोध by Ram Ratna. (Ratnasram, Agra).

2. संक्षिप्त हिन्दी व्याकरण by Kamta Prasad Guru. (Nagari Pracharini Sabha, Benares.)

3. High School Hindi Vyakaran, by Ganga Prasad (Publisher, Ram Dayal Agarwala, Allahabad).

Books recommended for supplementary reading :—

1. Harishchandra .. " Satya Harishchandra " (Nagari Pracharni Sabha, Benares).
2. Lakshman Singh " Shakuntala Natak " (Prose edition), (Indian Press, Ld., Allahabad).
3. Gadadhar Singh .. "Kadambari" (Indian Press, Ld., Allahabad).
4. Ganga Prasad .. Hindi Pros Selection Indian Press, Allahabad.)
5. Ayodhia Nath .. "Ujjwal Tare" (Indian Press, Allahabad).
6. Mishra Bandhu .. "Purva Bharata" (Ganga Pustakamala, Lucknow).
7. Shridhar Pathak .. "Shrant Pathik" (Padmakot, Allahabad).

8. Jagannath Das .. "Harish Chandra" N. P. Sabha).
9. Deshvrat .. "Hindu Jati ka Swatantrya Prem." Gandhi Hindi Pustak Bhandar, Allahabad).
10. Chandra Shekhar Shastri. "Viropakhyan." Sahitya Bhawan, Limited, Allahabad).

Urdu.

1. اُردو نثر by Jalal-ud-din Ahmad, published by Anwar Ahmadi Press, Allahabad (latest edition),

or

Kyaban Urdu, published by the Indian Publishing House, Allahabad.

2. Nisab-i-Jadid, by Maulvi Mahdi Husain Nasiri, published by the Anwar-i-Ahmadi Press, Allahabad.

3. Qawaid Urdu, by Jamaluddin Haidar, published by Ram Dayal Agarwala, Allahabad.

For *Shikast* the book recommended is—

Majmua-i-Khatt-i-Shikast, by M. A. Siddiqui, published by the Indian Publishing House, Allahabad.

Bengali.

1. Sitar Vanabasa, by Pandit Ishwar Chandra Vidyasagar (Prose).

2. Katha-o-Kahini, by Rabindra Nath Tagore (Poetry).

3. Mahabharatiya Niti Katha in Bengali, Parts I and II, by Rajendra Nath Kanji Lal, 3, Madan Mittra Lane, Calcutta. *Rajendra Chandra Ghosh.* 38 *Cronwallis Street, Calcutta.* Price, 12 annas each.

or

Arya Kirti, by Rajani Kanta Gupta, published by Mohini Kanta Gupta, Rajani Kutir, 28/16 Akhil Mistri's

Lane, Calcutta, to be had of the Sanskrit Press Depository, 30, Cornwallis Street, Calcutta, price Re. 1-8-0, as an alternative to Mahabharatiya Niti Katha, Part II.

(Recommended for rapid reading—Unseen.)

4. Bhasha Bodh Vyakaran, by Nakuleshwara Vidyabhusan. Re. 1 (recommended).

Marathi.

1. Keshavsut—Yancha—Kavita Sangrahwa Charitra, published by Sita Ram Keshva Damle, and printed by the Chitrashala Press, Poona city. Price, Re. 1-8-0.

2. Gad Ala Pan Sinha Gela, by Hari Narain Apte, published by the Arya Bhushan Press, Poona city. Price, annas 8.

3. Swami Vivekanandachin Patren, published by the Manoranjak Granth Prasarak Mandali, Bombay. Price, annas 4.

Grammar—R. B. Joshi's *Marathi Grammar*—"Praudhabodha."

Recommended for the use of teachers.

Marathi Grammar, by M. K. Damle. Published by the Indraprakash Press, Bombay.

Gujarati.

Paper I, Prose.—Karanghelo, by Nandshanker Tuljashankar, published by the Gujarati Publishing Press, Bombay. Price, about Re. 1.

For *unseen*—The following book is recommended for rapid reading :—Balavilas, by M. M. Dwivedi.

Paper II, Poetry.—Sudama Charitra, by Premanand, edited by Manjulal Ranchhod Lal Majumdar of Baroda.

For Grammar the following book is recommended :—

Madhyama Gujrati Vyakarana, by K. P. Trivedi (N. M. Tripathi, Bombay).

B.—Optional Subjects.

I.—CLASSICAL LANGUAGES.

There will be two papers each of three hours in each of these languages—the first paper will be in the prescribed texts and grammer, and the second paper in Translation, Composition, and Unseen.

Syllabus.

(*a*) Sanskrit.

Paper I.—(*a*) *Text-books.* (*i*) Mitra-labha (Hitopadesha) and (*ii*) Bhartrihari—Nitishataka.

Notes.—1. The edition of Hitopadesha and Bhartrihari—Nitishataka published by the Indian Press, Limited, Allahabad, or that of the Nirnaya Sagar Press, Bombay, is recommended. All objectionable passages may be omitted by the teachers.

2. The students should be taught to understand the passages with context and the substance, and to learn the analysis of compounds, sandhis and the prose order of the poetry pieces.

(*b*) *Grammar.*—Simple sandhis. Declension of nouns and pronouns of frequent occurrence. Conjugation of verbs of frequent occurrence in all classes but omitting those of adadi (अदादि), rudhadi (रुधादि), juhotyadi (जुहोत्यादि), and kryadi (क्रयादि), classes in लट्, लोट्, लङ्, विधिलिङ् and लृट् only.

Note.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Books recommended in Grammar—

1. First Book of Sanskrit by Bhandarkar.
2. R. K. Banerjee's Sanskrit Grammar.
3. Sanskrit Teacher, by K. P. Trivedi.
4. Sanskrit Prathama Pustaka, by Professor Ram Bihari Lal, D. A. V. College, Cawnpore.
5. Upakramanika, printed by Khadgavilas Press, Bankipore.
6. Vigyan Dipika, by Pandit Sadashiva Shastri.

7. Sanskrit Viakarana Bodha, by Pandit Kanhaiya Lal Shastri, published by Ram Dayal Agarwala, Allahabad.

Paper II.—Translation, Composition, and Unseen.

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidate; (*b*) substance of easy passages from the abovementioned books to be expressed in Sanskrit; and (*c*) translation of easy English prose sentences into Sanskrit.

Books recommended for rapid reading and for composition :—

(1) Kusum-mala, Part I, by V. S. Apte.

(2) राम कथा मञ्जरी compiled by Sant Gopal Chand Shastri (published by Ram Narain Lal).

(3) A Manual of Sanskrit Composition, by Lalleram Tewari (National Press, Allahabad).

(4) प्रवेशिका संस्कृत रचनानुवाद शिक्षा by महामहोपाध्याय पण्डित रघुनन्दन त्रिपाठी साहित्याचार्य ।

N.B.—Sanskrit must be written in Devanagari character.

(*b*) **Arabic.**

Prescribed course—

Paper I (*a*)—*Text.* مرقاة الادب complied by Zafar Iqbal, M.A., B.T., Lecturer, Central Training College, Lahore. Published by Atar Chand Kapoor & Sons, Anarkali, Lahore.

(*b*) *Grammar*—Mabadi-ul Arabia مبادي العربيه by Shartuni, Urdu edition, edited by Maulvi Izzat Ullah (the Majidi Press, Cawnpore).

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition, and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into Urdu ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Arabic ; and (*c*) translation of easy English prose sentences into Arabic.

Book recommended for rapid reading مدارج القراءة (Anwar Ahmadi Press, Allahabad).

NOTE.—Arabic words must be written in Arabic character.

(*c*) Persian.

Prescribed course—

Paper I(*a*).—Text—

Prose.

1. Gulistan سبب تالیف کتاب Chapter I up to story 48 and Chapter IV up to story 12.

2. تحفهٔ عالم by Abdul Latif Shustari احوال اِنگلستان pages 291—306.

3. Anwar Sahaili انوار سهیلي by ملا حسین واعظ کاشفي Chapter I, up to جان من خود کردهٔ خود کردهٔ را تدبیر نیست

Poetry.

1. Bostan بوستان Chapter I, first 48 stories, Chapter II first 35 stories, Chapter VI Introduction, Chapter VII first 5 stories, Chapter VIII first 4 stories, Chapter IX first 4 stories, and Chapter X.

2. Aiynai Sikandari, by Khusru خسرو

1. Ode هر آن یار جانی بود up to گر آسایشے خواهی از روزگار

2. Ode اگر دانشے داري اے نیک راے up to چه باید بر آراستن منزلے

3. 24 Rubayat Umar Khyam per selection.

Recommended the selections of the above by Anwarul Matabay, Victoria Street, Lucknow.

(*b*) *Grammar.* زبدۃالقواعد by قدرت‌الله بیگ راد

(Oriental Publishing House, Lucknow), or تہذیب‌القواعد by S. Zafar Husain (Rai Sahib Ramdayal Agarwala, Allahabad), (only etymology and syntax should be taught to the High School classes).

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition, and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into Urdu ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Persian ; and (*c*) translation of easy English prose sentences into Persian.

Books recommended for rapid reading :—

إنتخاب جديد فارسي by قدرت‌الله بیگ راد published by the Oriental Publishing House, Lucknow, and Ayar Danish عیار دانش

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Paper I.—Prescribed prose and poetry.

Text-books.

Cæsar : De Bello Gallico, Book IV.

Livy : Hannibalian War, Selections from Books XXIII and XXIV (Macmillan).

Virgil : Aeneid, Books II and IV.

(*b*) *Grammar.*—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition, and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidates ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Latin ; and (*c*) translation of easy English prose sentences into Latin.

II.—COMMERCE.

The examination will consist of two papers, each of three hours :—(*a*) One paper on Business or Commercial Practice, and (*b*) one paper on either (*i*) Type-writing or (*ii*) Book-keeping.

The following is the syllabus in each subject :—

Business or Commercial Practice.—Office routine—Drafting simple business and official letters ; preparation of telegrams and cablegrams, including a knowledge of simple codes. Docketing, filing, copying, and despatch of letters. Ordinary postal regulations, use of postal forms, such as Money Order, V.-P. P., Acknowledgement, Registration, and Insurance forms. Post Office Savings Bank Accounts. Telephone. Simple duplicating and other labour-saving appliances.

Meaning of ordinary commercial terms and abbreviations. Preparation of simple commercial documents, such as indents, invoices, bills of exchange, promissory notes, statements of account. Nature and use of Bills of-Lading and Railway Receipts. Simple banking transactions, involving the nature and use of cheques, deposit slips, and pass books.

Book recommended :—

Extracts from Business Methods and Correspondence, by Arthur Fieldhouse.

Typewriting.—There will be no practical examination on the typweriter, but only a theory paper of two hours' duration involving questions on—

*(*a*) The mechanical construction of the typewriter ;

(*b*) care of the machine ;

(*c*) display of matter, including headings and titles, centering, contractions and abbreviations ; hyphenation ; punctuation ; stencil-cutting ; adaptation of one or more characters to represent characters not given on the keyboard ; corrections ; erasures.

There will also be a second paper of one hour's duration consisting of type-copying of three manuscripts.

Book recommended :—

Expert typist, by J. A. Rosemond, Methodist Publishing House, Lucknow, or Smith's, Pitman's, or Remington's Manual.

Book-keeping.—Elementary theory ot double entry book-keeping. Preparation and keeping of the Cash Book, Brought and Sold Books, Returns Books, Bills Receivable and Bills Payable Books, Journal and Ledger ; recording therein simple transactions involving purchases and sales, bills receivable and payable, real, personal and nominal accounts, such as rent, salaries, interest, discounts, bad debts, and depreciation. Drawing up the Trial Balance, Closing the Ledger, and Preparing Trading and Profit and Loss Accounts, and Balance-sheet. Simple banking transactions involving

* Questions on the mechanism of the typewriter will be of a general nature, so that students who are acquainted with the mechanism of any of the more popular typewriting machines will be able to answer the questions (*vide* G. L. no. B.-2773/VI—3, dated September 15, 1924, from the Secretary of the Board).

the nature and use of cheques. Deposit Slips and Pass Book, and Preparation of Bank Reconciliaton Statements. The nature and use of Bills of Exchange and Promissory Notes. Petty Cash and Imprest Systems.

Book, recommended :—

Elementary Book-keeping, by Arthur Fieldhouse, published by Simpkin, Marshall & Co., Limited, London, E.C., 4.

III.—SCIENCE (PHYSICS AND CHEMISTRY).

The examination will consist of two papers—one in Physics and one in Chemistry, each of three hours.

Physics.

SYLLABUS.

Definition of Physics, measurements of length, area, volume, mass, and weight. The balance. Density, specific gravity. Principle of Archimedes. The three states of matter. Pressure of air. Simple barometer.

Heat.—Expansion of solids, liquids, and gases, temperature, thermometers, melting and boiling points, conduction, convection, and radiation. Unit of heat, specific heat, change of state, latent heat. Easy calculations.

Light.—Rectilineal propagation of light. Reflection, refraction, plane concave, convex mirrors, concave and convex lenses and prisms. Position of object and image with easy calculations. Dispersion.

Magnetism.—Attraction and repulsion, magnetization, terrestrial magnetism, magnetic meridian. The compass.

Electricity.—Electrification by friction. Properties of a charged body. Conductors and insultators. The electroscope. Induction. The electrophorus. A simple cell, simple forms of primary cells, arrangement of cells in series and parallel, magnetic and heating effect of a

current. The simple galvanoscope, simple explanation of the telegraph, the electric bell, electric-light.

Practical Work.

The following list of experiments indicates the minimum amount of practical work required to be performed by students. Other experiments of equal educational value may be substituted. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments, and demonstrations are to be considered an essential part of the teacher's work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each students completes tach experiment should be maintained and hung in the laboratory at each school recognized in Science (*vide* G. L. no. B/3149—3300/V—36, dated December 21, 1925, from the Secretary of the Board).

General.—Determination of the relative density of—

(*a*) bodies which float in water ;

(*b*) bodies which sink in water ;

(*c*) liquids.

Use of the calipers.

Determination of the radius of a wire by Archimedes' Principle.

Determination of the Internal radius of a narrow tube.

Light—Reflection at a plane mirror.

Focal length of a concave mirror.

Refraction through a prism.

Refractive index of glass and water.

Focal length of a convex lens.

Heat.—Cooling curve of water, and wax or naphthelene.

Determination of the water equivalent of a calorimeter.

Determination of Specific Heat.

Determination of the Latent Heat of Ice.

Determination of the Latent Heat of Steam.

Magnetism.—Mapping out lines of force by a small magnet.

Determination of the direction of the Magnetic Meridiam.

Electricity.—Charging an electroscope by Conduction and Induction.

The magnetic effect of a current on a magnetic needle.

The electro-magnet.

The following books on Physics are recommended for teachers' reference library :—

Every Day Physics, by H. E. Hadley. Macmillan & Co., Price Rs. 4 ; or

An Introduction to Physical Science, by Ivor B. Hart, Oxford University Press. Price, Rs. 2.

A class book of Physics, by R. A. Gregory and H. E. Hadley. Macmillan & Co. Price, Rs. 3-12.

A Course of Physics, by Charles H. Draper. Blackie & Sons. Price, Rs. 3-12.

An Elementary Physics, by K. C. Bhattacharya (Indian Press, Allahabad), Price Rs. 2.

Physics for IX and X classes, by K. Kumar (G. R. Bhargava and Sons, Chandausi). Price, Rs. 2.

Chemistry.

Definition of chemistry.

Common properties of matter—Hardness, porosity, brittleness, solid, liquid, and gaseous states. Change of state. Melting and boiling points.

Crystalline shape. Effect of heat on common things.

Solution in water. The above to be studied with Nace, KNo_3, $CaCo_3$, Na_2, Co_3, $CuSo_4$, $5H_2O$, $FeSo_4$, $7H_2O$, $ZuSo_4$, Fe, Zn, Sn, Mg, Pb, Hg, P, S, Shellac and linseed oil.

Solution, melting, evaporation, distillation, filtration, solution in water and alcohol. Slow and rapid evaporation, saturated solutions. Crystallization studied from solutions in water and of melted sulphur. Distillation of water, mixtures, immiscible liquids. Elementary and compound substances. Non-metals and metals. Chemical symbols. Chemical action, the laws of definite proportion, atoms, molecules, atomic and molecular weights, valency, relation between equivalent and atomic weight. Simple forumulae and equations.

Study of air—Rusting of metals, oxidation, active and inactive gases in air. Burning of phosphorus. Meaning of combustion, slow and rapid combustion studied with iron, magnesium, and phosphorus.

Oxygen gas ; prepared from oxide of mercury, and potassium chlorate. Important properties of oxygen gas.

Acidic and basic oxides, acids, bases and salts.

Preparation and properties of the following :—

Hydrogen, Nitrogen, Ammonia, Chlorine, Hydrochloric acid, Nitric acid, Carbon dioxide.

Carbon—Properties and varieties.

Action of carbon dioxide on animal and plant life.

Sulphur—Properties and varieties.

Preparation and properties of sulphur dioxide and sulphuric acid, their preparation treated in a very elementary manner, sulphur dioxide by burning sulphur in air and by the action of hydrochloric acid on calcium sulphite and sulphuric acid by the action of nitric acid on sulphur dioxide and water.

Study of water—Action of steam on red-hot iron filings.

Action of sodium on water. Action of magnesium on steam. Electrolysis of water.

NOTES.—1. The detailed course given below indicates the minimum amount of practical work required to be performed by students and suggests a method of treatment of the syllabus for the guidance of teachers. They may substitute other experiments of equal educational value. Practical work should be co-ordinated with the theoretical work and follow it consecutively as far as possible. The practical experiment should be performed individually so far as can be arranged.

2. A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory of each school recognised in Science (*vide* G. L. no. B/3149-3300/V.-36, dated December 21, 1925, from the Secretary of the Board).

The use of stencils in answering papers in science is not allowed.

(*Classes IX and X.*)

Classes IX and X will have six periods of Science per week—for at least 27 working weeks ; this gives a total of 162 periods in class IX :—

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
Chemistry ..	Effect of dissolved substances on boiling point.	To find B. P. of solutions of calcium chloride. Solution of different strengths.
	Distillation. Purification of water.	To bend tubes, bore corks, set up apparatus for distillation, and find B. P. before and after distillation.
	Elements and compounds..	To examine the elements—sulphur, copper, lead, mercury, zinc. To examine the compounds, ferrous sulphate, copper sulphate, lead oxide, mercury oxide, and regain the elements where possible.

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
	Metals and non-metals, properties :—	
	The atmosphere. Combustion, active and inactive air.	Burning a candle in a bell jar. Repeat with sulphur, phosphorus. To measure the proportion of air used up when a substance burns in air.
	Rusting	To show iron will not rust in dry air. To measure the air used up when iron rusts in air.
	Increase in mass in rusting and burning.	To show increase in mass when magnesium and iron burn in air and when iron rusts in air—when a candle burns in air.
	Explanation of above. Introduction of terms "Oxygen" and "Nitrogen."	
	Oxygen	Preparation from mercuric oxide and potassium chlorate in small quantities and on large scale from manganese dioxide and potassium chlorate, its properties.
		To show loss in mass when potassium chlorate is heated.
	Metals and non-metals. *Oxide.*	Their basic and acidic properties.
	Nitrogen. Its use in the atmosphere.	Properties to find accurately percentage of nitrogen in air by pyrogallic acid. (Lecture-room.)
	Water not an element ..	Action of sodium on water-Action of magnesium on boiling water. Action of steam on iron. Examination of oxide of iron formed. Increase in mass, comparison with iron rust.

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
	Resume of above. Introduction of term "Hydrogen."	
	Preparation of Hydrogen and its properties.	From zinc and sulphuric acid. What happens to the zinc. What happens when hydrogen burns in air. Explosion of hydrogen with air. Electrolysis of water and its composition by volume. Action of hydrogen on copper oxide when heated. (Lecture-room.)
	Carbon	Properties and varieties.
	Demonstration lesson ..	Formation when carbon or carbonaceous matter burns in air.
	Carbonic acid gas. Chalk ..	Effects of acids on chalk. Examination of the gas; properties of gas obtained by the effect of strongly heating chalk. Examination of lime; difference between properties of chalk and lime; loss in mass on heating chalk.
	Resume of above. Animal and plant life.	Formation of oxygen by plants.
	Chlorine gas	Preparation from manganese dioxide and hydrochloric acid. Its properties.
	Hydrochloric acid gas ..	Preparation from sodium chloride and sulphurie acid. Its properties.
	Ammonia gas ..	Preparation from ammonium chloride and quicklime. Its properties.
	Sulphur	Effect of heat.

NOTE.—In class X time is left for revising the whole course in preparation for the High School Examination.

The books *recommended* for use in Chemistry are—

Chemistry for Indian Schools for Standards IX and X, by E. G. Hill, Professor of Chemistry, Muir Central College, Allahabad. Indian Press, Allahabad. Price, Re. 1.

Physics and Chemistry for Secondary Schools in India, Parts III and IV, in one volume. Macmillan & Co., 1918. Price, Re. 1-8.

An Elementary Chemistry for Indian Schools, Parts I and II, by K. C. Bhattacharya, M.Sc., L.T. (*Indian Press Limited, Allahabad*). Price, Rs. 2.

Chemistry for Schools ; Wilson and Headley. (Oxford University Press). Price, Rs. 2.

*Books *recommended* for the use of teachers in Chemistry :—

Practical Chemistry, volumes 1 and 2, for Standard VII of High Schools in the Bombay Presidency, by H. E. H. Pratt. Price, 6 annas. } *Oxford University Press, Bombay.*

Holmyard's Elementary Chemistry, published by Arnold.

Gregory and Hodges : Experimental Science for Indian Schools. (Macmillan).

K. Kumar : Chemistry for Classes IX and X. (Bhargava, Chandausi.)

IV.—AGRICULTURE.

The examination will consist of two papers of three hours each.

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* In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

The first paper will be on the subject-matter in the syllabus up to and including sub-section (5)—Tillage; and the second paper on the remaining portion.

SYLLABUS.

(1) *Climatology.*—Weather and seasons in the country and in the provinces.

(2) *Soils.*—Soil-forming processes; Weathering, Solution, Plants and Animal agencies.

Classification of soils.—Local classification—Clayey, Loam, Sandy, Concretionary, Saline, Silt, Goind, Ahar, Uparhar.

Mechanical analysis of soils.—Determination of Stones. Gravels, Moisture, Humus, Sand and Clay.

Texture of soils.—Arrangement of particles of soil; Specific gravity; Pore space; Surfaces exposed; Number of particles in a unit volume; Plasticity, Cohesion, Forces of facilitating granulation.

Organic matter in the soils.—Its sources and distribution. Decrease of organic matter. Estimation of organic matter. Its effect on soil. Its maintenance.

Soil water.—Its forms, its movements. Factors affecting hydroscopic, capillary, and gravitational water.

Control of soil moisture.—Run-off losses; Percolation; Evaporation. Methods of checking the same; Mulching, Ploughing, Rolling, Shelter, Plants.

Soil heat.—Relation of heat to germination and growth. Sources of soil heat. Factors affecting soil temperature.

Absorptive power of soils.—Effect of colour. Effect of texture and structure on heat. Radiation, Convection, and Conduction. Absorptive power of soils in relation to gases and solutions. Nature and properties of *subsoils* in relation to soils.

(3) *Irrigation and Drainage—*

Water requirements of plants.—Factors affecting transpiration. Wilting point. Optimum moisture for plant growth. Conserving of moisture.

Sources of water of irrigation.—Rain, its annual and seasonal variations ; Ice, Frost, Snow, Dew, Hail, Wells (spring and percolation), Rivers, Canals, and Tanks.

Types of water lifts.—Persian Wheel, Chain Pump, Hand Plunger Pump, Charsa, Baldeo Balti.

Distribution of water.—Flow systems ; Pucca and Kachcha channels ; Planning and laying-out of irrigation drains.

Drainage.—Earth bunds, Conditions making drainage necessary. Types of soils requiring drainage, Situation requiring drainage, Possible relation between irrigation and drainage.

(4) *Manures and manuring.*—Farm-yard manure, Fermentation, Application ; Feeding for manuring ; Special manures, i.e., Bones, Potash Nitrate, Oil-cakes, their manurial properties and application ; Green manuring, important plants that can be used, their method of application.

(5) *Tillage.*—Objects of Tillage and description of principal implements of tillage :—

(*a*) Ploughs. (*c*) Cultivators.

(*b*) Harrows. (*d*) Harvesting Machines.

(6) *Plant.*—Utilization of plants and plant parts of the crops of the provinces.

General description of a plant and its parts and the functions of each.

Plant nutrition, Growth, Substances necessary for plant growth, Sources of those substances, Storage and movements of food materials.

Reactions of the plant to moisture, light, and gravity.

General idea of flowers and their parts, Pollination, Different methods of pollination.

Fruits and seeds.—Their general structure and their functions. Length of life of seeds. Conditions necessary for their germination. Selection of seeds and their storage.

(7) *Farm Crops.*—Preliminary cultivation, sowing, weeding, manurial requirements, harvesting, storage, and marketing of the following crops :—

Wheat, barley, gram, peas, rice, maize, jawar, pulses, cotton, flax, sannai, ambadi, potatoes, sugarcane, tobacco, vegetables.

(8) *Farm Animals.*—Buffaloes, cows and oxen, their care and maintenance. Determination of age of animals—goats, sheep, and poultry.

(9) Patwari papers, their use and maintenance.

Candidates are required to maintain note-books of all work done, both theoretical and practical. These note-books should be inspected periodically and initialled by the teachers. These note-books may be called for at the time of the examination.

Candidates will undergo the following course of practical work in connexion with the above syllabus :—

1. Each student is required to keep records of the following facts noted in the school observatory :—

(*a*) Rainfall.

(*b*) Maximum and minimum temperature of air in shade.

(*c*) Wind directions and velocities.

(*d*) Amount of clouds and their directions.

(*e*) The time of occurrence of frost, fog, hail, dust-storm.

(*f*) Afternoon temperature of black soil, light-coloured soil, ploughed soil, rolled soil, and mulched soil.

2. Separation of stones, gravel, and fine soil by sieve.

Separation of sand and clay by sedimentation.

Determination by ignition of moisture and humus in soil.

Specific gravity of soils and pore space.

Weight of different soils in unit volume.

Organic matter in soil and sub-soil, is power of absorbing moisture.

Weight of water absorbed by soils, from a saturated atmosphere.

Amount of percolation of water in a unit of time through sand, clay, and loam.

Classification of soils as Domat, Matyar, Balwar by sight.

3. Amount of water taken out in one hour by the different water lifts in use.

Amount of water discharged on fields by kachcha, pucca, and puddled channels.

4. Results of applications of green manuring, farm-yard manure, oil-cakes, ground bones, bone ash, potash nitrate applied to school garden plots.

5. Handling of farm implements, their use and special designs.

6. Drawings of different parts of plants grown on the farm.

7. Records of notes of cultivation of at least one Kharif crop, one Rabi crop, one Garden crop from the time of preparation of seed bed to marketing, actually attended to by the candidate.

8. Practical determination of age of farm animals.
   Drawing up of descriptions of local breeds of farm animals.
   Recognition of different feeding stuffs.
   Lay-out of stables from sanitary point of view.

Books recommended :—

1. Meston Readers, Parts 1 to 3, by K. S. M. Quyum.
2. Krishi Shastra or Ilm Zarayat, by Mr. Tej Shanker Kochak.
3. Notes on Poultry-keeping in India, by Mrs. A. K. Fawkes.
4. Tisdale's books on Dairying.
5. Monthly Journals, Leaflets, and Bulletins issued by the United Provinces Agricultural Department.
6. Lessons in Indian Agriculture, by D. Clouston. Macmillan & Co., Ltd.
7. Rahber Zarait, by T. S. Kochak, published by the author. Price, Rs. 2-8-0.

V.—DRAWING.

The examination will consist of two papers of three hours each ; the first paper on Free Arm Drawing and the second paper on Geometrical Drawing.

SYLLABUS.

Free Arm.—This should be in Pastel, and should comprise common objects from nature.

The round.—Such as Orange, Mango, Apple, Tomato, Lichi, Melon, Peach ; Hockey and other Balls, Nutmeg, Walnut, etc.

The Cylindrical.—Such as Flower-pot, Household Utensils, Degchies, Cups, Saucers, Surahi, Bowls, Tumblers, Lotas, Bottles of kinds, Ink-pots, Gloy Bottle, Paper-weight, Candle-stick, etc.

The Rectilinear.—Open Book, Cigar and Cigarette Boxes, Match Box, Attache Case, Cash Box, Flags, etc.

Miscellaneous.—Hockey Sticks, Cricket Bat, Tennis Racket, Mallet, Hammer, Screw Driver, Chisels, Padlock Key, Scissors, Knives, Hatchet, etc.

Nature Study.—Sample flowers and Leaves of all sorts, Butterflies, Beetle, etc.

The above outline which is but suggestive should be in Pastel on Tinted Paper and will involve instruction in the art of Blending Colours, Colour Harmonies, Colour Schemes, and Shadows.

Text-books recommended :—

Pastel work for the standards, 3 volumes, author A. G. Tompkins, Publishers, Messrs. Issac Pitman & Sons, London, Bath and New York. Price, Rs. 3 each vol.

Materials.—Pastels, Paper, etc. (Reeves). Obtainable from Messrs. J. N. Navalakhi & Co., Kalbadevi Road, Bombay.

Geometrical Drawing.—(1) The theory and use of instruments especially of the protractor and Marquoise scale.

(2) Plain block-letter writing.

(3) The whole of practical plane geometry.

(4) Drawing to scale, viz., scale of chords; diagonal scale; plain scale; comparative scales (to be done in ink).

Text-books recommended :—

Geometry, Plane and Solid (Morris), Longmans, Green & Co., Bombay and London.

New School of Art Geometry, (Gill), George Gill & Co., Minerva House, Warwick Lane, E. C., London.

Roorkee Drawing Manual (Veale), Roorkee Thomason College Book Depot, Roorkee.

Materials.—School Geometry set (Reeves).

VI.—MANUAL TRAINING.

The examination will consist of one paper of three hours in Drawing and a practical examination of four hours in Woodwork.

SYLLABUS.

(1) *Woodwork*—

(*a*) A series of models graduated in respect of the tool manipulations involved to be made in wood from working drawings (drawn in plan and elevation, conventional isometric projection) or from a given pattern in wood; the construction of the models to involve the use of one or more of the following tools:—Jack Plane, Try Square, Marking Gauge, Marking Knife, Smoothing Plane, Tenon Saw, Bevel, Screw Driver, Firmer Chisel, Hammer, Mallet, Bradawl, Nail Punch, Compass, Firmer H Gouge, Gimlet, Frame Saw, Spoke Shave, Brace and Bit, File.

The following joints at least should be included amongst the models.—

Half-lap, Housing, Mortise and Tenon, Half-lap Dovetail, Box-Dovetail, Edge-Dovetail, Bridle.

(*b*) The care and maintenance in good working condition of the abovementioned tools, excluding saw setting and sharpening.

(2) *Drawing*—

Drawing in plan and elevations of all models in the course and in conventional isometric projection of those of a rectangular shape.

NOTES.—1. A scheme drawn up on the above lines is given below. Teachers need not keep strictly to the particular model mentioned in this scheme, but if any changes in the models are made these should not involve changes in the new tool manipulations employed. The course should, if possible, be commenced in Class VII.

2. Attention is invited to the suggestions for teaching of Manual Training contained in Director of Public Instruction's Circular no. 2 of 1917-18.

*Books recommended for the *use of teachers* :—

The Teacher's Handbook of Seojd. by O. Salloman. *George Phillip & Sons.* 6 *s.*

Manual Instruction, Woodwork. by J. C. Pearson. *George Phillip & Sons.* 6*s.*

McDougall's Light Woodwork. by David Thomas. *McDougall's Educational Company. London.* 1*s.*

The Scholar's Woodwork Class-book, by T. W. Berry. *Cassell & Co., London.* 1*s.*

Practical Drawing by T. S. Usherwood. *Macmillan & Co.* 2*s.*

Educational Handwork—Junior Course, by J. L. Martin and C. V. Manley. *Blackie & Son.* 1*s.* 6*d.*

Educational Handwork—Intermediate Course, by J. L. Martin and C. V. Manley, *Blackie & Son.* 1*s.* 6*d.*

Educational Handwork or Manual Training. by A. H. Jenkins. *University Tutorial Press. Burlington House, Cambridge.*

The "Self-Help" Course of Woodwork Exercise, by E. J. Andrews. *Charles and Dible,* 10 *Paternoster Square, London.* 2*s.* net.

Handcraft in Wood and Metal, Shirley and Hooper, Rs. 9, Batsford.

* In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

HIGH SCHOOL EXAMINATION OF 1930

Table showing the tool manipulations involved in making the models of the course.

(* Indicates a new tool manipulation. + Indicates revision of a tool manipulation previously learnt.)

Serial number of tool manipulation.	Name of tool manipulation.	1 Preliminary (planing).	2 Preliminary (gouging).	3 Rectangular prism.	4 Square prism	5 Prism with longitudinal cuts	6 Prism with oblique cuts.	7 Wooden pattern (*a*).	8 Wooden pattern (*b*).	9 Wooden pattern (*c*).	10 Rhombus with chamfered edge.	11 Prism with inlaid pieces.	12 Match-box holder.	13 Name board.	14 Stool.	15 Round ruler.	16 Inkstand.	17 Lapped halving joint.	18 Simple bracket.	19 Housing joint.	20 Letter rack.	21 Newspaper rack.	22 Mortising.	23 Book-stand.	24 Haunched tenoning.	25 Book rest.	26 Key-rack.	27 Half-lap dovetailing.	28 Towel rail	29 Edge-dovetailing.	30 Hat-rack.	31 Box-dovetailing.	32 Box.	33 Paper-file.	34 Paper-knife.	35 Bridle jointing.	36 Boot-rack.	37 Mortise mitring.	38 Picture frame.	39 Butt jointing.	40 Set squares 45 and 60.	Number of times each tool manipulation occurs in the course.
1	Face planing	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
2	Edge	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
3	Gauging	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
4	Marking with knife	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
5	Sawing with tenon saw at right-angles to the grain	*	*	*	+	+	+	-	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
6	End planing	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
7	Sawing with tenon saw with the grain	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
8	Use of bevel	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
9	Use of screw-driver	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
10	Sawing through a face obliquely to the grain	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
11	Horizontal chiselling across the grain	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
12	„ „ obliquely to the grain	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
13	Sawing through an edge obliquely to the grain	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
14	Vertical chiselling parallel to the grain	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
15	Chamfering with plane with the grain	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
16	„ chisel across the grain	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
17	Vertical chiselling obliquely to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
18	Inlaying	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	22
19	Vertical chiselling at right angles to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	13
20	Horizontal chiselling with the graind	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
21	Boring with bradawl	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
22	Nailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
23	Use of compass	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
24	Modelling with jack plane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	5
25	Filing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1
26	Gouging	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1
27	Stop chamfering	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
28	Halving	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
29	Screwing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	9
30	Boring with gimlet	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	3
31	Housing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	+	2
32	Frame sawing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	+	2
33	Spoke shaving	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	+	2
34	Mortising	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	+	3
35	Use of brace and bit	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	+	2
36	Haunched t.noning	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	+	2
37	Fixing hinger	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	+	1
38	Glueing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	+	5
39	Half-lap dovetailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	+	2
40	Edge-dovetailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	+	2
41	Box-dovetailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	2
42	Vertical gouging across the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
43	Concave and convex chiselling	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
44	Bridle jointing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
45	Mortise mitring	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
46	Rebating with chisel	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	2
47	Butt jointing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
	Number of tool manipulation in each exercise	2	1	6	6	7	9	7	10	11	10	13	11	14	13	9	14	12	14	9	13	21	11	15	11	19	20	14	19	10	17	10	12	12	11	13	16	13	16	11	11	

VII.—A MODERN EUROPEAN LANGUAGE.

French.

There will be two papers of three hours each. The first paper will consist of passages for translation from the prescribed Text-books, questions on the prescribed Text-books, and questions on Grammar. The second paper will consist of Unseen passages and idiomatic phrases for translation from French into English and *vice versa*.

Books prescribed—

Ed. About :—Le Roi des Montagners. Macmillan's Edition (Siepmann's Series).

Du Camp :—La Dette de Jeu (Cambridge University Press).

Daudet :—Letters de mon Moulin [Edited by Bradly and Rieu. (Oxford, Clarendon Press)].

Grammar recommended—

French Grammar (Sonnenchien's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap).

NOTE.—The *Viva Voce* Examination has been dropped for the present.

VIII.—DOMESTIC SCIENCE.

The examination will consist of two papers of three hours each. The first paper will contain questions on Physiology, Hygiene, Household Management, and Home-Nursing. The second paper will consist of the practical examination in Sewing to be held at the same time as the examination in written work. There will also be an oral test in First Aid and Home-Nursing and a practical test in Cooking.

SYLLABUS.

As a basis for the teaching of Hygiene and Home-Nursing there should be a preliminary simple treatment of the following topics on Elementary Physiology :—

The human skeleton, the organs of digestion, the circulation of the blood, the nervous system, respiration.

I.—Hygiene.

NOTE.—Great importance should be attached to practical work wherever the subject admits of this.

Air.—Composition of air, ventilation, importance of pure air, impurities of air, diseases caused by impure air.

Water.—Composition of water; quantity of water required; source of water-supply, springs, deep wells, surface wells, rivers, tanks; how water is polluted: how to prevent pollution of water, how to purify water; boiling and filtering.

Food.—Composition of food; composition of good diet and its importance; preservation of food; cooking of food; drinks and condiments.

Personal Hygiene.—Cleanliness of body (hair, nails, teeth, etc.); clothing; exercise; importance of temperance; the use of *pan*, opium, and other drugs; spitting.

Precautions against diseases.—Infectious diseases (small-pox, measles, and diphtheria, etc.); tuberculosis; enteric fever; dysentery and diarrhoea; cholera; plague; malaria; itch; leprosy; ophthalmia (sore eyes).

II.—First Aid.

Roller bandage, figure of eight as applied to knee, elbow, finger, ear; bandage for eye, nose, chin; many-tailed bandage for chest. Bleeding of different kinds; how to stop bleeding; drowning; burns; scalds; bruises; sprains; broken bones; dislocation; carrying injured people; fainting; sunstroke; hysteria; epilepsy; suffocation; foreign bodies in eye, ear, nose, and throat;

bites of mad dogs; signs of madness in dogs; snake-bites, stings.

III.—Home-nursing.

NOTE.—None of the work is to be purely theoretical. Practice must be given in every point which allows of practical work.

Room.—Bed ; bedding ; furniture ; light ; warmth ; ventilation.

Nurse.—Health ; dress ; duties, and qualifications of a nurse.

External Remedies.—Poultices ; plasters ; fomentations ; ice ; baths—hot and cold ; temperature of baths.

Food.—Kind of food and preparation ; way of giving.

The Sick Room.—Administration of medicine ; pulse, and temperature charts ; bathing, changing of garments and bedding.

Infectious illness.—Precautions during illness ; disinfection of room, clothing, and bedding after illness ; use of disinfectants.

Convalescence.—Occupations ; visitors ; rest ; sleep, and food.

IV.—Care and Training of Children.

Food, sleep, exercise, play, clothing, cleanliness, surroundings.

V.—Household Management.

A.—Choice of House. Furniture and Decoration. Distribution of rooms. Cleansing and care of house and furniture. Disposal of refuse and sewage. Precautions against flies and mosquitoes.

B.—Care of the kitchen.

Preparation of simple food.

Two of the following groups :—

(*i*) preparation of *roti*, rice, *dal*, and *tarkari* ;

(*ii*) preparation and care of milk ;

(*iii*) preparation and care of meat. (One dish only required.)

C.—Duties of the mistress of household.

Proper distribution of daily activities. Account and budgetting of expenditure.

VI.—Clothing.

(i) Choice and care of the clothing.

(ii) Methods of washing cotton, woollen, and silk materials.

NOTE.—Practical work should be done, if possible.

(iii) Sewing and Cutting out. Each candidate should select three of the following groups.

A good standard of skill will be required in the various stitches that are necessary in making up garments and in mending worn articles of clothing :—

(*a*) To cut and make up coat (*achkan*) or (*pyjama*) or shirt (*kurta*) or waistcoat for a man.

(*b*) To cut out and make up *kurti* or blouse or skirt or petticoat or *pyjama* for a woman.

(*c*) To cut out and make up frock or bonnet or *pyjama* or *bandi* for a child.

(*d*) Drawn thread or crewel work or English embroidery or *chikan* work or *sulme sitare.*

(*e*) Spinning.

(*f*) Weaving.

NOTE.—As an indication of the scope and standard of instruction in Hygiene and Home-Nursing, teachers are referred to sections II, III and IV of Personal and Domestic Hygiene for the School and Home, by Mrs. Harold Hendley (Rai Sahib M. Gulab Singh & Sons, Lahore) also to Indian Manual of First Aid and Indian Home-Nursing, published by the Indian Council of the St. John's Ambu ance Association (Thacker, Spink & Co., Calcutta.)

Books for teachers' reference :—

Tropical Hygiene, Lukis and Blackham (Thacker, Spink & Co.)

Outline of Domestic Science for Indian Readers, by Lilian Sawtell (Longmans Green & Co.).

Training of Children under five years.

Child-Welfare, by Dr. S. K. Mukherji (Indian Press, Allahabad).

IX.—METAL WORK.

The examination will consist of one paper of three hours in Drawing and Theory and a practical test for four hours in Forging and Fitting Work.

Syllabus.

(*a*) *Practical work.*—A series of models graded in respect of tool manipulations to be made in metal from Working Drawings or from Patterns, and involving the use of Forge, Anvil, Vice, Tongs, Top and Bottom Tools, Drills, Hammers, Files, Stocks and Dies, etc. Exercises should include Drawing Down, Upsetting, Welding, Annealing, Hardening and Tempering, Rivetting, etc., and such objects as Punches (nail and centre), Scribing Knife, Nuts and Bolts, Rings, Chain Links, Hasp and Staple, Keys (for shafting), Coat Hook, Wall Bracket, Letter Weight, Calipers, Wall-Holdfast, Cold Chisels, Drills, etc.

(*b*) *Theoretical work.*—Properties and uses of different metals, Iron (malleable and cast), Steel, Brass, etc. Sections and weights of above, Length calculations. Working heats, Care and maintenance of tools, forge, etc.

(*c*) *Drawing.*—In orthographic projection of all models made during the course.

Books recommended.—1. Smithy and Forge Crane, approximate price Rs. 2, Publishers, Crosby Lockwood.

2. Smith's Works, Hasluck, Rs. 2, Cassels.

3. Educational Handwork, Jenkins, Rs. 3, University Tutorial Press.

4. Handcraft in Wood and Metal, Shirley and Hooper, Rs. 9, Batsford.

5. Plain and Ornamental Forging, Schwarzkopf, Wiley & Sons, Rs. 6-8-0.

X.—HISTORY OR GEOGRAPHY.

(The same course as in the compulsory subject.)

INTERMEDIATE EXAMINATION OF 1930.

The following grouping of subjects is approved for the guidance of students and teachers. The subjects have been so grouped that, while providing a sound general education, suitable as an introduction to University studies, they should also fit the students to enter upon higher specialized courses in technical and professional institutions :—

General Arts.—Mathematics, Economics, Civics* Geography, Drawing, a Modern Indian or European Language, Logic, a Classical Language, History and Allied Geography, Histories of Greece and Rome and Allied Geography. (*Any three should be taken.*)

**Students taking Civics are advised, also to take History.*

General Science.—Mathematics, Drawing, Chemistry, Physics, Biology, Geography, Economics. (*Any three should be taken.*)

For Medicine.—Chemistry, Physics and Biology.

For Engineering.—Mathematics, Physics and Chemistry.

For Teaching.—(1) History, Civics and Geography.

(2) History, Geography and Mathematics.

(3) History, Geography and (Physiology, Hygiene and Child-Study) (*women students*).

(4) Geography. Mathematics and (Physiology, Hygiene and Child-Study) (*women students*).

(5) Geography (or Mathematics), Biology and (Physiology, Hygiene and Child-Study) (*women students*).

(6) History, Geography and Economics.

(7) Mathematics, Geography and Economics (or Drawing).

(8) Mathematics, Physics and Chemistry.

(9) Mathematics, Physics and Biology.

(10) Chemistry, Physics, and Biology.

(11) Biology, Physics (or Chemistry) and Drawing.

(12) (Physiology, Hygiene, and Child-Study), a Classical Language and History or Geography or Mathematics (*women students*).

(13) (Physiology, Hygiene and Child-Study). Drawing and Biology or Geography or a Classical Language (*women students*).

ENGLISH.

There will be *one* paper of three hours on the prescribed Prose course and a *second* paper of three hours will be set on the Poetry course ; and in each paper there will be one question on " Unseen " passages. The prose paper will contain one or more prose unseens and the poetry paper will contain one or more poetical unseens.

In place of the Unseen passages candidates who offer English as their mother-tongue will be required to answer questions on supplementary prescribed texts.

A *third* paper of three hours will include (*a*) translation from a vernacular into English, and (*b*) a narrative

or descriptive piece of composition in English. In the case of candidates who offer English as their mother-tongue, the third paper will consist of an Essay, together with questions on English composition and on the history of English Literature from 1500, as in Hudson's Outline History of English Literature (Bell & Co.).

NOTES.—1. In the case of books prescribed for detailed study, candidates will be expected to show a close familiarity with the text, including meaning of words, construction of sentences, historical and other allusions as well as knowledge and understanding of the subject-matter. They should be able to indicate contexts and to paraphrase and explain any difficult passages in simple and correct English.

2. In the case of books prescribed for general study, detailed knowledge of the text will not be required, but candidates will be expected to show that they have read the course with intelligence and with some appreciation.

Books prescribed :—

Prose :—(*a*) For detailed study—

A book of English Prose, by Professor P. Sheshadri (Oxford University Press), (omitting the Convalescent ; the Beautiful ; Dr. Skinner ; El Dorado ; the Dedicated Life ; War).

The Trial and Death of Socrates, by Church ; the following portions of which are prescribed :—

The Apology, Crito, and last part of Phaedo (Chapter LXIII to end).

(The Introduction is not prescribed, but is recommended for general study).

(*b*) For general study—

Scott's "Kenilworth" (abridged), published by the Oxford University Press, price Re. 1.

A Round of Tales, selected by Henry and Treble (Oxford University Press), (price Re. 1 as. 6).

Poetry :—(*a*) For detailed study—

Arnold—Sohrab and Rustam.

The following from Palgrave's Golden Treasury, Oxford University Press, (Indian edition), price Re. 1, are prescribed :—

Shakespeare—" When to the sessions of sweet silent thought."
" Let me not to the marriage of true minds."
" Since brass, nor stone, nor earth, nor boundless sea."

Keats—" La Belle Dame Sans Merci."

Milton—" On his Blindness."
" Captain, or Colonel, or Knight in Arms."

Tennyson—" Ring out, wild bells."
" Tears, idle tears."
" The splendour falls on castle walls."

Wordsworth— " The world is too much with us."
" Upon Westminister Bridge."

Tagore (Macmillan's Poems from Tagore)—
" Where the mind is free."
" Traveller must you go."
" The fair was on before the temple."
" The Champa Flower."

(*b*) For general study :—

Shakespeare—" As You Like It."

Tennyson—" Morte d'Arthur "

Morris—" Atlanta's Race."

Scott—Battle of Bannockburn.

(The last three from S. A. Newbolts English Narrative Poems—Longman's).

Supplementary prescribed texts for candidates whose mother-tongue is English :—

Prose and Poetry :—Approach to Shakespeare, Teaching of English Series (Nelson's).
Dunn's selections from Tennyson (Oxford University Press).

NOTES.—(*a*) Half the total of marks will be allotted to the portions for detailed study, 30 per cent. to the portions for general study and 20 per cent. to Unseen passages and Grammar.

(*b*) Grammatical questions will be asked, including Parsing, Analysis, the Sequence of Tenses, and Conversion of the Direct and Indirect forms of speech.

(*c*) The attention of candidates is drawn to the fact that examiners have been instructed to deduct marks for inaccuracy in English.

MATHEMATICS.

There will be three papers of three hours each : one paper in Algebra and Trigonometry, a second in Mensuration and Pure and Analytical Geometry, and a third on Elementary Dynamics.

(1) (*a*) *Algebra.*—Quadratic equations involving two or more unknown quantities, the theory of quadratic equations and of expressions of the second degree ; surds and imaginary expressions ; arithmetical, geometrical, and harmonical progressions ; permutations and combinations ; theory of indices and logarithms, proof of binomial theorem for a positive integral index and the use of binomial and exponential theorems for any index.

(*b*) *Trigonometry*—Including solution of triangles, and simple problems on inscribed, circumscribed, and ascribed circles.

(2) (*a*) *Pure Geometry.*—Loci ; proportion and similarity ; radical axis of two circles ; simple properties of pole and polar with respect to a circle ; simple properties of parabola.

(*b*) *Analytical Geometry*—Straight line, pair of straight lines, circle (including radical axis and pole and polar); equation to parabola in form $y^2=4ax$ and simple properties deduced therefrom; simple properties of tangents and normals to the ellipse deduced from the equation $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$ (Oblique cartesian and polar co-ordinates will not be required).

(*c*) *Mensuration of Solids.*—Surfaces and volumes of parallelopipeds and right prisms, pyramids, circular cylinders and cones, spheres, and spherical segments; frusta of pyramids, cones, and spheres.

The use of Trigonometry and Logarithms will be permitted in solving numerical examples.

(3) *Dynamics and Statics.*—Velocity, composition of velocities; relative velocity; acceleration, rectilinear motion under uniform acceleration, composition of accelerations; Newton's Laws of Motion; rectilinear motion under gravity in a vertical and down an inclined plane; motion of two masses connected by a string passing over a pulley; projectiles; direct impact of smooth bodies; definition and calculation of kinetic energy; co-planar forces, parallel and non-parallel and their composition; equilibrium of a body under three forces; moments; conditions of equilibrium of a body under a system of co-planar forces and simple examples; centre of gravity; friction; work and power; simple machines (lever, balance, system of pulleys, wheel and axle).

The following books are suggested (*not prescribed*) in addition to more elementary text-books :—

School Algebra, H. S. Hall, Parts I—III.

School Algebra, Part II, by Paterson. (Clarendon Press.)

Elementary Algebra, Part II, by P. Ross. (Longmans.)

Hall and Stevens' School Geometry, Part VI.

Co-ordinate Geometry, Smith or Loney. (Macmillan.)

Elements of Statics and Dynamics by Loney. (Cambridge University Press.)

Higher Algebra, Chapters I—XVII, by Hall and Knight (Macmillan.)

Intermediate Trigonometry, by C. C. Ghosh. (Macmillan.)

Plane Trigonometry, Part I, by S. L. Loney. (Macmillan.)

CHEMISTRY.

[N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.]

There will be two papers of three hours each and a practical examination. The first paper will include metals and non-metals and the second paper general Chemistry and organic Chemistry.

The following syllabus is prescribed :—

The course for the High School Examination of 1930 with the following additions : —

Elementary and compound substances, mixtures solution, chemical action, the laws of definite and multiple proportions, simple methods of the determination of equivalent weights, atoms, molecules, atomic and molecular weights, vapour density, the atomic theory and Avogadro's hypothesis, combination of gases by volume.

Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights. Dulong and Petit's Law. Boyle's Law, Charles' Law, vapour pressure, diffusion.

Chemical symbols, formulae and equations; calculations of an easy nature.

Oxidation and reduction.

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory.

The outlines of the periodic law, studied from elements prescribed in the course.

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* :—

Hydrogen, oxygen, water,* ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric acid and nitrates, nitrous acid and nitrites, nitrous* and nitric* oxides, nitrogen peroxide, carbon, carbon* dioxide, carbon* monoxide, elementary ideas about combustion and structure of flame, coal gas, chlorine, hydrochloric* acid, the chlorides, chlorine peroxide, chloric acid and chlorates, bromine, iodine, their hydracids and salts.

Sulphur, hydrogen* sulphide, sulphur* dioxide and trioxide, sulphuric acid and the suplhates, sulphurous acid and sulphites.

Phosphorous, hydrogen phosphide, phosphorous trioxide and pentaoxide, orthophosphoric acid.

Silica, silicates of Na, K & Ca, glass.

Sodium, potassium, their hydroxides, chlorides, nitrates, carbonates, sulphates.

Calcium, strontium, barium, and their oxides, carbonates, sulphates, chlorides, nitrates.

Magnesium, its oxide, chloride, sulphate, carbonate and nitrate.

Lead, its chloride, sulphate, nitrate and acetate.

Copper, the outlines of its metallurgy, its oxides, chlorides sulphate, nitrate and sulphides.

Iron, the outlines of its metallurgy, its oxides (FeO, Fe_2O_3, Fe_3O_4), chloride, sulphates, and sulphides.

Zinc, its oxide, chloride, carbonate and sulphate.

Mercury, oxides, chlorides, nitrates, sulphides.

Aluminium, oxide, chloride, sulphate.

Arsenic, hydride, oxides, sulphides.

Antimony, hydride, oxides, chlorides, sulphides.

Tin, oxides, chlorides, sulphides.

Silver, oxide, hydroxide, chloride, bromide, iodide, nitrate, and sulphate.

Organic :—

A.—The preparation, typical properties, and structural relationship of the following compounds :—

Methane, ethane, ethylene, chloroform, iodoform.

Methyl alcohol and ethyl alcohol.

Formaldehyde and acetaldehyde.

Formic acid and acetic acid.

Ethyl acetate and methyl acetate.

Acetamide, acetyl chloride, acetic anhydride.

Acetylene.

Methylamine.

B.—The simpler properties of the following :—

Glycerol, acetone, ether, oxalic acid, tartaric acid, fats, soaps (and saponification), starch, cane sugar, grape sugar (and fermentation), urea, benzene, nitrobenzene, phenol, aniline, benzoic acid.

Practical work.

Students will be examined in Practical Chemistry.

Students are expected to perform the following experiments in the laboratory. An account of each experiment must be written by the student in a special note-book, which will be liable to examination by the

Examiners. This note-book should be kept in the charge of the laboratory instructor and each account of an experiment should be signed by him. The Principal of a College will be responsible for the production of this note-book when demanded by the proper authorities.

The *practical* course is as follows :—

1. Such practical work as is required for the High School Examination of 1930.

2. Analysis of simple salts, soluble in water or hydrochloric acid composed of acids and bases mentioned in the following list :—Ag, Pb, Hg, Cu, Cd, Bi, As, Sb, Sn, Fe, Al, Cr, Ni, Co, Zn, Mn, Mg, Ca, Sr, Ba, Na, K, NH_4, Cl, Br, I, ClO_3, SO_4, SO_3, NO_3, NO_2, PO_4, S, CO_3, C_2O_4, acetate.

3. Preparation and purification of simple salts involving no special difficulty.

4. Simple gravimetric and volumetric estimations, such as estimation of alkali, acids and alkaline carbonates by titration, gravimetric estimation of iron and simple gravimetric experiments such as change in mass on oxidation of magnesium, change of weight on heating (1) barium chloride, (2) copper carbonate and (3) ferrous ammonium sulphate.

5. Determination of melting and boiling points.

6. Qualitative detection of nitrogen, sulphur chlorine, bromine or iodine, alone or together, in an organic compound.

7. Practical exercises involving—

(i) dry tests,

(ii) phenolphthalein and methyl orange.

(iii) use of balance.

Books suggested :—

SHENSTONE : Inorganic Chemistry (Arnold).

ROSCOE and LUNT : Elementary Inorganic Chemistry.

ROSCOE and HARDEN : Inorganic Chemistry for Advanced Students.

A Class Book of Organic Chemistry by J. B. Cohen.

Organic Chemistry, Part I, by Perkin and Kipping.

Donington's Class Book of Chemistry, Parts 1—4.

Holmyard's Inorganic Chemistry, published by Arnold, 6*s*. 6*d*.

HOLMYARD : Practical Chemistry, Bell & Sons, Ltd. 4*s*.

OSCROFT : Inorganic Chemistry, for Upper Forms (Bell & Sons, Ltd.). 6*s*. 6*d*.

MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press). Rs. 2.

NEWTH : Chemical Lecture Experiments for teachers' use, published by Messrs. Longmans, Green & Co., latest edition. Price 8*s*. 6*d*.

HOLMYARD : Introduction to Organic Chemistry (Arnold).

BRUCE AND HARPER : Practical Chemistry, edition 1925 (Macmillan).

PHYSICS.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

There will be two papers of three hours each as follows :—

1st Paper—Properties of Matter, Heat and Light.

2nd Paper—Sound, Electricity and Magnetism.

The following syllabus is recommended :—

General properties of Matter.—Fundamental units and their measurement. Principle of Balance. Verniers, Calipers, Screw-gauge, Spherometer, Volume, Density, Specific gravity, Fluid pressure, Principle of Archimedes, Nicholson's hydrometer, Barometer, Boyle's Law, Pumps, Siphon, Elementary notions of volume, elasticity and

Young's modulus in the case of solids. Isothermal and adiabatic elasticities of gases. Gravitation, simple harmonic motion. Pendulum. Value of "*g*."

Heat.—Temperature. Thermometers. Calorimetry. Specific heat. Latent heat. Expansion of solids, liquids, and gases. Vapour pressure. Hygrometry. Change of state. Laws of unsaturated and saturated vapours. Conduction. Convection. Radiation. Reflection and absorption of heat. Isothermal and adiabatic changes. Specific heat at constant volume and constant pressure. Relation of heat to work. Determination of "J."

Light.—Laws of propagation. Reflection and refraction from plane and spherical surfaces. Dispersion. Spectra. Fraunhofer's lines. Telescope. Microscope. Spectrometer. Photometry. Phosphorescene. Fluorescence. Velocity of light.

Sound.—Transverse and longitudinal waves. Nature of sound waves. Intensity. Pitch. Quality. Mode of propagation. Reflection. Refraction. Stationary waves. Beats. Resonance. Vibrations of strings and air columns. Monochord and organ pipes. Determination of velocity in solids, liquids, and gases, Musical scale. The gramophone.

Electricity and Magnetism.—Magnetisation. Permanent magnets. Magnetic induction. Unit of magnetism. Magnetic field. Lines of force and lines of induction. Tangent A and B positions of Gauss. Deflection and vibration Magnetometers. Magnetic moments. Earth as a Magnet. Magnetic elements. H. Declination and Dip and their determinations. Electrostatic unit of quantity. Coulomb's law of force. Electric field. Gold leaf electroscope. Surface density. Potential. Capacity. Leyden jar. Capacity of a parallel plate condenser. Electrophorus Wimshurst's machine.

Voltaic cell. Electric current and its magnetic effects. E. M. unit of current. Galvanometers. Ammeters. Voltmeters. Ohm's law and its verification. Unit of resistance and Potential Difference. Specific resistance. Practical and absolute units. Determination of resistance. Wheatstones' bridge. P. O. Box. Heating effect of current. Joule's law. Determination of J. Electric glow lamp. Electric arcs. Chemical effects of current. Faraday's laws of Electrolysis. Electrochemical equivalent. Voltameters. Electro-magnetic relations. Electro-magnetic induction. Induction coil. Simple dynamo. Motor. Electric Telegraph. Telephone. Microphone. Thermopile. X-Ray.

Books suggested :—

A Text-book of Physics by R. S. Willows (published by Messrs. Arnold & Co.).

Everyday Physics by H. E. Hadley (Macmillan & Company, Rs. 4.).

There will be also an examination in practical work.

The laboratory course is indicated by the subjoined list of experiments. An account of each experiment must be written by the student in a special note-book which will be examined. The account of each experiment should be signed by the Demonstrator, and the books should be kept in his charge.

LIST OF EXPERIMENTS.

Mechanics—

Applications of the Triangle of Forces.
Equilibrium of Parallel Forces.
Principle of Moments.
Determination of co-efficient of Friction.
Ditto of " g " by the pendulum.
Nicholson's hydrometer.

General properties of Matter—

Measurements of Mass by the balance.

Use of the Spherometer.

Ditto Screw Gauge.

Ditto Callipers.

Reading the Barometer.

Heat—

Testing fixed points of Thermometers.

Determination of Specific Heats.

Ditto of Latent Heats.

Construction of a graph illustrating the rate of cooling of a liquid.

Verification of Boyle's Law.

Determination of the co-efficient of linear expansion.

Light—

Reflection and refraction of light at plane and spherical surfaces.

Determination of refractive indices.

Focal lengths of mirrors and lenses.

Sound—

Determination of the velocity of sound by resonance.

Ditto of the frequency of a fork by sonometer.

Magnetism—

Mapping outlines of force by a small magnet.

Determination of neutral points in a magnetic field.

Comparison of magnetic moments by the magnetometer.

Comparison of magnetic fields by a vibrating magnet.

Electricity—

Variation of magnetic force at centre of a coil with radius, number of turns, and strength of current.

Determination of resistance by the use of Wheatstone's wire bridge.

Determination of resistance by the use of Ammeter and Voltmeter.

Combination of cells in series and parallel.

Comparison of electromotive forces by the potentiometer.

Detailed accounts of the method of performing the above experiments will be found in either Willows' Textbook of Physics, or in any Intermediate course of Practical Physics such as Schuster and Lees.

BIOLOGY.

There will be two papers of three hours each and a practical examination : the first paper on Zoology and the second paper on Botany.

The following syllabus is prescribed. Instructions for the teaching of Biology are appended :—

I.—Zoology.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—Living and non-living matter. The distinctive properties of living matter or protoplasm and its chemical composition. The structure and life-history of Amoeba and malaria parasite as examples of the Protozoa. A general conception of the structure and phenomena of the animal cell, direct and indirect cell division. The union of cells to form tissues and the combination of tissues to form organs.

B.—The structure of Hydra as an example of the Metazoa. The principle of the physiological division of labour and the correlated differentiation of structure.

C.—The structure and bionomics of an Indian Earthworm as an example of a segmented animal.

D.—The structure of the Cockroach as a type of Arthropoda. A general survey of the life-history of the Mosquito and House-fly, and their economic importance.

E.—The general characters of the Chordata.

F.—The general anatomy, histology, and physiology of the various systems or organs in the Frog.

G.—An elementary knowledge of the anatomy and osteology of the Rabbit or other common Mammal. The brain and eye of the Sheep, and the skull of the Dog may be substituted for those of the Rabbit.

H.—A general classification of the animal kingdom with the characteristics of the principal phyla.

J.—Reproduction, sexual and asexual: ova and spermatozoa; oogenesis and spermatogenesis. The elementary facts of the fertilisation and segmentation of the ovum, the outlines of the development and larval history of the Frog, the three primary germ-layers and the organs derived from them.

II.—Botany.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—The structure and germination of seeds, the morphology of the root, stem, and leaf. The chief types of floral structures. The chief types of inflorescence and the common types of fruits.

B.—The parts of a typical vegetable cell, the cell contents and their microchemical reactions, the division of a cell, the chief types of plant tissues. A comparative study of the internal structure of the root, stem, and leaf of the Angiosperms. The structure of the reproductive organs of the Angiosperms.

C.—The structure of Bacillus subtilis and the modes of nutrition among the Bacteria.

D.—The structure, physiology, and life-histories of Ulothris, Spirogyra, Mucor, and Yeast.

E.—The structure and life-histories of a moss and a fern, and the phenomenon of alteration of generations.

F.—The life-history of Angiosperms. General structure of flowers and fruits, recognition and economic importance of the following families :—

Cruciferae, Malvaceae, Leguminosae, Compositae, and Liliaceae.

G.—An outline of the classification of the vegetable kingdom to illustrate grades of structure and method of reproduction.

H.—Elementary plant physiology ; stability of the plant body ; the usual constituents of plant food ; assimilation ; transpiration ; respiration ; the main facts about growth ; the chief types of movements.

Practical Work.

Students are expected to keep a record of all practical work in a special laboratory sketch-book, which will be liable to examination by the examiners. The laboratory instructors should sign the result of each day's practical work.

A.—The microscopical study of Amoeba and Hydra ; the study of Hydra by means of transverse and longitudinal sections.

The general dissection of the earth-worm, cockroach, and frog ; life-history of the mosquito : a microscopical study of the chief animal tissues from fresh or prepared preparations of muscle, nerve, cartilage, bone, blood, and connective tissue. The microscopical study of the earth-worm by means of fresh preparations and transverse sections ; a microscopical examination of the kidney, liver, spinal cord, stomach, ovary, and testis of the frog. The skeleton of the frog.

The osteology of the rabbit substituting the skull of the dog for that of the rabbit, and the dissection of the alimentary, vascular, and reproductive systems of that animal.

B.—The dissection of plants and parts of plants ; the preparation, simple staining, and study of microscopical sections of plants. A practical study by microscopical examination and otherwise of bacteria. yeast, Spirogyra, Ulothrix, Mucor ; a moss, a fern, and the vegetative and reproductive organs of Angiosperms treated in an elementary manner.

The description of a flowering plant and its parts in semi-technical language.

(Where fresh material cannot be obtained recourse should be had to prepared specimens.)

Text-books suggested :—

Parker and Bhattia : Elementary Course of Practical Zoology. (Macmillan.)

Holmes : Biology of the Frog.

Marshall and Hurst : Practical Zoology. (Murray.)

Rangachari : Botany for Indian Schools, second edition. (Government Press, Madras.)

Gager : Fundamentals of Botany. (Blakiston.)

Huxley.—Elementary Physiology. (Macmillans.)

Shipley.—Life. (Ditto.)

Transean.—General Botany (World Book Company, New York).

Bahl, K. N. : Indian Zoological Memoirs. 1. Pheretima, Methodist Publishing House, Lucknow. 1926. Re. 1-8.

APPENDIX.

Instructions for the teaching of Biology—

1. The teacher must consider the purpose for which he teaches Biology—to prepare students for the University, for medical and forest colleges, and for more intelligent and more joyful living. Biology deals with the world of life surrounding the students, and every effort

should be made to present Biology as a living subject, rather than as a vast mass of unrelated and (to the students) often meaningless facts to be memorised.

2. Teachers may take more liberty in teaching Biology than has been considered possible in the past. They should feel that they are not too rigidly bound by the syllabus. Much of what is commonly accepted as the interpretation of the syllabus, and as the proper content of Biology, is a tradition from the past. Teachers may to a much larger extent determine for themselves what they are to regard as the proper things to include in their teaching, and the proper emphasis to be given to these things; the syllabus will then become a friendly guide.

3. The syllabus is a record of work that ought to be covered and the teacher may take up the various topics in whatever order he thinks best.

4. The additional items in the new syllabus are not intended to enlarge the syllabus, but to shift the emphasis given to the various parts of it. For instance, it is not intended that the cockroach shall be studied in minute detail, but that it shall be made the basis for acquaintance with the great assemblage of arthropods. The mosquito is to illustrate metamorphosis, and is used because of the great importance of mosquitoes to man, because it can be observed anywhere, and because it can be readily reared in the laboratory. The mosquito is to illustrate also the carrying of disease by insects, and the malaria parasite is an illustration of a disease-producing organism transmitted by an insect. The economic and bionomic importance of these animals is to be emphasized rather than complete details of their structure.

Likewise it is intended to allow considerable freedom to the teacher by permitting the use of mammalian types

that are most readily available. The purpose is to become acquainted with characteristic features of mammalian anatomy, rather than with minute details of one animal only, to the exclusion of all others.

In Botany more emphasis should be put on what plants do and how they work, than on extensive study of various growth forms, which have little meaning for the student unless correlated with the great problems of plant economy. Moss is added to the syllabus as a simple, clear, and easily accessible plant illustrating sex organs and alteration of generations; it should be treated from this point of view, and no effort should be made to consider its anatomy in the detail usually regarded necessary in the fern.

DRAWING.

There will be two papers, each of three hours' duration: the first paper on Solid Geometrical Drawing and the seond paper on Free Arm Memory Drawing.

Syllabus.—

Free Arm.—In pastels on Tinted Paper or Water Colours on White Cartridge Paper.

Progressive work in groups of the common objects listed for High Schools, such as—

Plate of Oranges, Tomatoes, and Bananas; Candlestick and Matches; Ink-pot and Pen; Gloy Bottle and Brush; Bundles of Firewood; Glass of Water or Milk; Chinese Lantern; Liquids in Bottles; Umbrellas, etc.

Nature Study Advanced.—The more difficult Flowers, Bunches of Flowers, Leaves with Fruit and Flowers, Compound Leaves.

The above, which is but suggestive, will involve instruction in the art of blending colours, colour harmonies, colour schemes and shadows, together with technocalities such as tint-softening, blending, direct colouring,

light tint on dark and dark on light, use of opaque colours and back-grounds.

Memory Drawing.—(*a*) Objects such as listed above which may be placed before students for a limited period after which the object shall be taken away and the drawing made.

(*b*) The drawing of some familiar and common objects entirely from memory.

A number of small objects may be placed once a week on a covered up tray, exposed, say for ten seconds, and the class be asked to write down as many objects as they remember to have seen.

Text-books recommended :—

Pastel work, Vols. I and II, by H. A. Rankin, publishers Messrs. Isaac Pitman & Sons, price Rs. 4 per vol.

Materials.—As for the High School Examination of 1930 (Free Arm).

Geometrical.—Solid Geometry, simple solids, plans, elevations, sections, and sectional elevations of such, isometric orthographical projection, elementary perspective drawing, and all forms of Plain and Diagonal Scales.

Text-books and Materials.—As for the High School Examination of 1930 (Geometrical).

ECONOMICS.

There shall be two papers of three hours each. The first paper shall cover Production, Consumption, and Taxation, and the second paper Exchange and Distribution.

Introductory.

Subject-matter. Relation to other sciences. The development of Economic life.

Production.

Relation between wants and production. The factors of production.

Land.—Natural resources of India. Soil and Climate. Sources of Power. Raw materials.

Labour.—Density and distribution of population in India. Health and vital satistics. Occupations.

Capital (fixed and circulating).—Buildings and machinery. Means of communication and transportation in India. Irrigation.

Organization (management plus enterprise).—Combination of the factors of production in village industries and in factories. Efficiency of the factors of production. Different uses and how efficiency increases. Efficiency of labour increased by education. Division of labour and specialization of machinery. Large scale production and its limitations. Diminishing and increasing returns. Development of industrial organization. Its relation to means of transportation. Accompanying changes in rural industries and in agriculture in India. Extensive and intensive cultivation.

Exchange.

Utility.—Marginal and total utility. Law of diminishing utility. Law of demand. Elasticity of demand.

Barter.—Conditions of barter. How both parties gain in utility by exchange.

Exchange by sale and purchase. Demand and supply schedules and curves. Balancing of demand and supply in a local market. Relation of price to expenses of production. Changes in the expense of production. The development of markets. Causes of the extension of markets. India's imports and exports.

The machinery of exchange. Money and banking, both to be illustrated from Indian examples (including

sahukari system in the villages and the *sarafi* system in cities). Convertibility of paper money in India. Cheques and hundies (*Foreign exchanges are included*).

Distribution.

The problem of distribution.

Rent.—The law of rent as applied to India. Land tenure in the United Provinces.

Salaries and wages.—Real and money wages. Wages as determined by supply and demand of labour. The standard of living. Mobility of labour in India. Influence of social customs.

Interest.—Net and gross interest. Mobility of capital in India. Principles of co-operative credit and its advantages for India.

Profits—As the reward of enterprise. The field for enterprise in India.

Consumption.

Satisfaction as the end of all economic activity. Wants and their classification. Division of income among different items of expenditure. Family budgets. Relations of saving to spending. The social side of spending.

Taxation.

A description of the taxes and other sources of revenue and items of expenditure of the Imperial Government, of Bombay and the province or State in which the college is situated ; simple distinction between direct and indirect taxes. (Nothing of the theory of taxation is to be taught.)

The following books should be consulted :—

Pension.—Economics of Every-day Life, Parts 1 and 2.

Moreland.—Introduction to Economics for Indian Students.

India in 1928 (the latest edition of the publication available in July, 1927, being recommended) published by the Central Publicity Office. (Chapters dealing with economic progress only are to be read.)

Teachers should also consult—

V. G. Kale.—Indian Economics.

Marshall.—Economics of Industry.

Chapman.—Elementary Economics.

Jack.—Economic Life of a Bengal District.

Mann.—Life and Labour in a Deccan Village.

B. G. Bhatnagar.—Bases of Indian Economy.

Lettice Fisher.—Getting and Spending : Collins' Clear Type Press. London, 3/6.

R. K. Mukerjee.—Groundwork of Economics (Longmans).

Fairchild.—Elements of Economics.

F. H. Robinson.—Elements of Economics, Books I and II.

Dori Lal Dubey.—Elementary Indian Economics (Indian Press, Allahabad, price Rs. 3-12.)

Frank O'Hara.—Introduction to Economics.

Report on an Enquiry into Working Class Budgets in Bombay by G. Findlay Shirras (Government of Bombay Labour Office).

Teachers should give facts and figures from the latest edition of the Indian Year Book (" Times " Press).

Practical Work.

Teachers should take out students to study small industries, markets, and conditions of living in both city and country. The principles should be illustrated from these studies. The following is the minimum

amount of practical work that should be done by students :—

(1) Two budgets of consumption : one of an artisan, one of a cultivator, if possible, with the students' own suggestions for improvement.

(2) Two statements showing the expenses of production, for one month, or a longer period, or for a fixed quantity of product, of two small industries, with suggestions for the improvement of the industry.

(3) Four diagrams illustrating the above four statements.

(4) Two maps representing economic conditions in India or parts of India.

Written Work.

Teachers should insist on as much written work as possible. The following methods are suggested :—

NOTE.—Teachers should not usually dictate notes, but should require students to write out their own notes after each lecture from rough notes taken in class and from memory. These notes should be inspected and corrected by the teacher.

Questions.—At the beginning of the lecture period teachers should frequently give out a single question on the work of the day before and allow the students 5 or 10 minutes to write out the answer, which should be corrected and returned to the students.

Essays.—Occasional essays may be assigned.

The following written work is the minimum to be done by each student :—

(1) Two long examinations of at least $2\frac{1}{2}$ hours each or six one-period tests, or one such examination and three such tests.

(2) Ten questions set in class to be answered in about ten minutes each.

(3) Two essays of about ten pages, or four essays of about five pages. (One long essay and two short essays are advised.)

NOTE.—The above modification is based on the following resolution passed by the Board at its meeting held on February 12, 1929 :—

That the practical examination in Economics for the Intermediate Examination should be abolished ; that the abolition should take effect from the Intermediate Examination of 1930 ; that the practical and written work in Economics should continue as hitherto and that the Principal of a College recognised in Economics for the Intermediate Examination should be required to submit a certificate at the time of forwarding the applications of students for permission to appear at the examination to the effect that the practical work prescribed in Economics has been done in the manner laid down in the Prospectus.

CIVICS.

There will be two papers of three hours each : the first paper on Civic Theory and the second paper on Indian Civics.

Paper I.—Civic Theory.

Syllabus—

Nature of society. The State in relation to society. Functions and structure of government, forms of government. The place of local institutions in political life. Meaning of citizenship. Benefits from society, State or local institutions to the citizen. Duties and rights of citizenship. A citizen's participation in the life of his town, his province, his country. A citizen's relations

with non-political associations like the colleges, clubs, religious organizations, co-operative societies, etc.

Books recommended :—

Raleigh	..	Elementary Politics (Oxford University Press).
Lay ..	..	Citizenship. (Macmillan & Co.).
Sir Henry Jones	..	Principles of Citizenship.
Bryce ..	..	Hindrances to Good Citizenship.

Paper II.—Indian Civics.

Syllabus—

Structure of Indian government, central and provincial. Working of Indian government. Indian municipalities, district boards, village institutions with particular reference to those of the United Provinces of Agra and Oudh. Education in India. Indian social life. Cultural movements in modern India. National movements in modern India.

Books recommended :—

Marris and Garner		Civil Government (Sanyal & Co., Calcutta).
G. Anderson	..	British Administration.
S. M. Bose	..	Working of the Indian Constitution (Oxford University Press).
Mrs. A. Besant	..	India—A Nation.
Farquhar	..	Modern Religious Movements in India.
C. F. Andrews	..	Renaissance in India (Ganesh & Co., Madras).

HISTORY AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

Paper I.—Indian History from the earliest time to the present day.

Books recommended :—

Lane-Poole, S. : Mediæval India (Story of Nations' Series), T. Fisher Unwin, Ltd.

Smith, V. A.: The Oxford History of India. (Clarendon Press, Oxford.)

Reborts, P. E. : Historical Geography of the British Empire, Vol. VII. Parts I and II (Clarendon Press, Oxford).

Imperial Gazetteer, Vol. II.

R. Aiyangar : Pre-Musalman India (Longmans, Green & Co.).

Paper II.—Either (*a*)—Outlines of Modern European History from 1500 A. D. to 1914 A. D. (Excluding the war period).

Books recommended :—

Ramsay Muir : Atlas of European History.

A. J. Grant : History of Europe. Longmans, Green & Co.

Thatcher and Schwill : History of Europe. John. Murray, London.

J. H. Robinson : History of Western Europe. Ginn & Co., Boston, New York, U. S. A.

Or (*b*) Modern English History from 1485 A. D. to 1914 A. D. (excluding the war period).

Books recommended :—

Warner and Marten : Groundwork of English History. Blackie & Son, Ltd.

R. B. Mowat : A New History of Great Britain. (Oxford University Press).

S. R. Gardiner : A School Atlas of English History (Longmans, Green & Co.).

HISTORIES OF GREECE AND ROME AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

Paper I.—History of Greece.

Books recommended :—

Edmonds, C.D. : Greek History for Schools, Cambridge University Press.

J. B. Bury : Greek History for Beginners.

E. Abbot : Pericles. G. Putnam and Sons.

Paper II.—History of Rome.

Books recommended :—

Bryant, E. E. : A Short History of Rome. Cambridge University Press.

Shuckburgh : Augustus.

,, A Short History of Rome for Beginners.

GEOGRAPHY.

There will be two papers of three hours each. The first paper will contain questions on part I of the syllabus and the second paper on parts II and III of the syllabus.

Syllabus.

I.—World Geography with intensive study of the regional geography of Eurasia and North America *compared* or of the three southern continents *compared*.

NOTE.—Teachers will be expected throughout to develop the human side of Geography, including the relations of Geography and History.

II.—Study of the survey map with special reference to 1 : 1/1000000. Survey of India and Adjacent Countries Series, sheet no. 43 (Srinagar), or no. 52 (Leh), or no. 53 (Delhi and Simla), also 1-inch Survey of India map no. 63 K/8. Study of the principles of map-projections. Study of the weather maps published by the Meteorological Offices, Simla, and of other distribution maps.

The work should show that outdoor geographical studies have formed a feature of the course.

III.—Economic Geography with special reference to India. The world position of India, its natural resources, its economic development. Man's influence over natural conditions, land and water communications, internal and external ; irrigation. This connotes a thorough study of the distribution maps of India.

The world distribution of the following vegetable products :—

Wheat, rice, tea, coffee, vine, cotton, jute, sugar, rubber, tobacco, conditions of their growth.

Books recommended :—

I.—Russell.—North America. Oxford. 10*s.* 6*d.*

Dawson.—North America. Vol. I. Stanford. 15*s.*

Gannett.—North America. Vol. II. Stanford. 15*s.*

Keane.—Asia. Vols. I and II. Stanford. 15*s.* each.

Chisholm.—Europe. Vols. I and II. Stanford. 15*s.* each.

Keane.—Central and South America. Vols. I and II. Stanford. 15*s.* each.

Leonard Brooks.—New Regional Geography. Book IV. London University Press.

Keane.—Africa. Vols. I and II. Stanford. 15*s.* each.

Mackinder.—Britain and the British Seas. Oxford. 10*s.* 6*d.*

Hogarth.—The Nearer East. Oxford. 10*s.* 6*d.*

Little.—The Far East. Oxford. 10*s.* 6*d.*

McMunn and Coster.—A Regional Geography of Europe. Oxford. 4*s.*

Unstead and Taylor.—Regional and General Geography for Students. Philip.
Herbertson.—Senior Geography. Oxford. 3*s.* 6*d.*
} May be used as text-books by the students.

Reynolds.—The Americas, Africa, and Australasia. Black. 2*s.* each.

Thomas.—Africa and Australasia. Bell.

Bruce.—The Americas. Bell. 2*s.*

Brown and Johnson.—The Americas (Home of Man Series).

Griffith Taylor—Australia.

Wallis.—Junior Geography of the World. Macmillan. 4*s.*

George.—Relations of History and Geography. Oxford. 4*s.* 6*d.*

Herbertson.—(*F. D.*)—Clarendon Geographies. Vols. I and II. 4*s.* each.

II.—*Esson and Philip.*—Map Reading made Easy. Philip.

Dickson.—Maps, how they are made; how to read them. Bacon. 6*d.*

Young and Fairgrieve.—A Class-book of Practical Geography. Philip.

Simmons and Richardson.—An Introduction to Practical Geography. Macmillan. 4*s.*

Unstead.—Practical Geography. Oxford. 4*s.*

Mort.—An Elementary Practical Geography. Blackie. 2*s.*

III.—*Chisholm.*—A Smaller Commercial Geography. Longmans. 3*s.* 6*d.*

Curr.—Commercial Geography. Black. 4*s.*

Lyde.—Man and his Markets. Macmillan. 2*s.*

Herbertson.—Man and his Work. 1*s.* 6*d.*

Statesman's Year Book. Macmillan. 18*s*.
Whitaker's Almanack. 4*s*.
Indian Year Book. Thacker.
} Every two or three years.

Imperial Gazetteer of India. Vols. III and IV. Oxford. 7*s*. 6*d*. each.

Atlas of Commercial Geography, Cambridge University Press. 3*s*.

Oxford Economic Atlas. Oxford. 6*s*.

Maps :—

Stanfords' Maps *with handbooks* (expensive but good).

Philips' sets of maps of the various continents and of India *with explanatory handbooks*.

Philips' sets of synthetic maps (for students' use).

Philips' Modern School Atlas.

Additional Reference Books—

Lake.—Physical Geography, Cambridge University Press.

Salisbury.—Physiography for Schools. Shorter Course. Murray. 6*s*.

Davis.—Elementary Physical Geography. Ginn. 5*s*. 6*d*.

Tarr.—Elementary Physical Geography. Macmillan. 7*s*. 6*d*.

Mill.—The Realm of Nature. Murray. 5*s*.

LOGIC.

There will be two papers of three hours each : the first paper on Deductive Logic and the second paper on Inductive Logic.

Deductive Logic.

The following syllabus is prescribed :—

Definition, scope and value of Logic. Nature of thinking. The laws of thought. The relation of thought

and language. Terms and their classification. Denotation and Connotation of terms. The predicables. Formal division and definition. Propositions, their import. Reduction of statements to logical form. Distribution of terms. Nature and forms of inference. The opposition of propositions and various forms of deduction. The syllogism, its figures and moods. Reduction, direct and indirect. Hypothetical, disjunctive and mixed syllogisms. The Dilemma, Enthymeme, Sorites, and Epicheirema. Function and value of Syllogism. Analysis of deductive arguments. Fallacies.

Inductive Logic.

The following syllabus is prescribed :—

The nature and presuppositions of inductive inference. Causation, its significance and importance in induction. Observation and experiment. Classification and nomenclature. Hypothesis. Imperfect induction —simple enumeration and analogy. Methods of scientific induction. The deductive method of investigation. Analysis of inductive arguments and application of inductive methods. Explanation and establishment of laws. The relation of induction to deduction. Fallacies.

Books recommended (*not prescribed*) to indicate the standard of treatment of the topics prescribed in the syllabus :—

Introductory Text-book of Logic : S. H. Mellone, Blackwood & Sons, Edinburgh.

Intermediate Logic : Welton & Monahan, University Tutorial Press, London.

Elementary Logic, Deduction and Induction : Diwan Chand.

Inductive Logic : P. K. Ray.

A MODERN INDIAN LANGUAGE.

Hindi.

There will be three papers in each of three hours duration : the first paper will be set on the prescribed Poetry and Alankar, the second paper on prescribed Prose and Drama, and the third paper on Unseen and Composition. Questions on History of Hindi literature and critical questions will be distributed over the first and second papers.

Paper I—Poetry and Alankar.

Text-books prescribed :—

1. Tulsidas—रामलला नहछू, बरवै रामायण, पार्वती मंगल, जानकी मंगल (printed in one volume) *or* तुलसी संग्रह by Pandits Kashi Rama and Dwarka Prasad Sharma. (Publisher, Ram Narayan Lal, Allahabad).
2. Surdas—रामायण edited by Satya Jiwan Varma. (Lahari Press, Benares).
3. Din Dayal Giri—ग्रन्थोक्ति कल्पद्रुम (Nagari Pracharini Sabha, Benares).
4. Maithili Sharan Gupta—जयद्रथ वध (Sahitya Sadan, Chirgaon, Jhansi).

Paper II—Prose and Drama.

Text-books prescribed :—

1. Jai Shankar Prasad—अजातशत्रु (revised edition).
2. Shyamsundar Das—गद्य कुसुमावली (Indian Press, Allahabad).
3. Premchand—प्रेम द्वादशी (Ganga Pustak Mala, Lucknow).

Paper III—Unseen and Composition.

Books recommended for Alankar and History of Hindi Literature :—

1. Ram Ratna—अलंकार प्रबोध (Ratrasram, Agra).
2. सरल पिंगल (published by the Hindi Sahitya Sammelan, Allahabad.)

3. Badri Nath Bhatta—हिन्दी (Publisher, Ganga Pustak Mala, Lucknow).
4. Keye—Hindi Literature (Heritage of India Series).

The following books are recommended for supplementary reading :—

1. Tulsidas—कवितावली (N. P. Sabha, Benares).
2. Surdas—सूरपदावली (published by Hindi Sahitya Sammelan, Allahabad).
3. Shridhar Pathak—एकान्तवासी योगी (Padmakot, Allahabad).
4. Badri Nath Bhatta—दुर्गावती (Publisher, Ganga Pustak Mala, Lucknow).
5. Mishra Bandhu—आत्म शिक्षण (N. P. Sabha, Benares).
6. Ramchandra Shukla—शशाङ्क (N. P. Sabha, Benares).
7. Viyogi Hari—अन्तर्नाद
8. Pratap Narayan Mishra—निबन्ध नवनीत (Abhyudaya Press, Allahabad).
9. Ramchandra Varma—छत्रशाल (Hindi Grantha Ratnakara, Bombay).
10. Padum Lal Bakshi—पद्मपात्र (Publisher, Gandhi Hindi Pustak Bhandar, Allahabad).

There will be three papers in each of the following languages : each paper will be of three hours ; the first paper will be set on the prescribed Prose, the second on the prescribed Poetry and the third on Unseen and Composition. Critical questions will be set in the first and second papers.

The following are the text-books prescribed :—

Urdu.

Paper I—Prose and Grammar.

Books prescribed :—

(1) سخندان پارس حصہ اول محمد حسین آزاد from page 2 یورپ میں علم زبان up to page 54 ending with کسے قلط گفتہ باشد

(2) آبحیات – نظم اُردو کی تاریخ – محمد حسین آزاد from موتیوں سے بھر دیگی فلاسفۂ یونان یوں کہتے ہیں up to حصہ ۴ – باب اول شاعری کی حقیقت – علامہ شبلی

(3) شعرالعجم – the whole of the 1st chapter.

(4) اُمید کی خوشی (c) تکمیل (b) تعصب (a) مضامین سر سید (g) اِنسان کے خیالات (f) خود غرضی (e) شراب حیات (d) خط و کتابت (j) اخلاق (i) اپنی مدد آپ (h) بحث و تکرار

(5) شریف زادہ – مرزا ھادی رسوا by National Press, Allahabad, 1st edition, 59 pages, ending with ورنہ آرزوئیں دلوں میں رہ گئیں

Grammar :—مجمع الفوائد "Majma-ul-Fawaid," by Maulvi Syed Hamid Ali (Ram Dayal Agarwala, Katra, Allahabad).

Paper II—Poetry and Grammar.

Prescribed :—Poetry selections from the Intermediate course for 1928 (published by R. S. Lala Ram Dayal Agarwala, Allahabad) pages 1—148.

Grammar :—

"Majma-ul-Fawaid," by Maulvi Syed Hamid Ali (Ram Dayal Agarwala, Booksellers, Katra, Allahabad).

Paper III.—Unseen and Composition.

Books recommended :—

جذبات فطرت by الیاس برنی

Selected Essays by M. Zafar Husain Asi گلدستۂ مضامین (National Press, Allahabad).

Bengali.

Poetry.

Kirtibas.—Ramayan, Ajodhya Kanda.

Michael Madhusudan Datt.—Chaturdaspadi Kabitabali, edited by Dina Nath Sanyal.

Nabin Chandra Sen.—Prabhas.

D. L. Roy.—Chandragupta, published by Gurudas Chatterji & Sons, Calcutta. Price, Re. 1.

Prose.

Bhudeb Mukerji.—Pribarik Prabandha.

Gooroodas Banerji.—Jhan O Karma.

Ishanchandra Ghosh.—Jatak, Volume I (nos. 1—25 and introduction).

Hara Prasad Sastri.—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition.

Unseen.

Tri-dhara, by Chandranath Basu. Price, about Re. 1. (Recommended.)

Marathi.

1. Kewal-swarajya-sathin, by Hari Narayan Apte.

2. Jiwan Smriti, published by the Manoranjak Granth Prasarak Mandali, Bombay.

3. Wagvaijayanti or a collection of Poems of Govindaraj, published by Keshavravji Gondhelekar and printed at the Jagadhitechhu Press, Poona city. Price, Rs. 2.

4. Selections from Tukaram as published in the latest edition of the Navanit.

A MODERN EUROPEAN LANGUAGE.

There will be three papers of three hours each. The first paper will consist of extracts from the prescribed Text-books together with grammatical questions. The second paper will contain unseen passages for translation from French into English ; these passages are not to be taken from the prescribed Text-books. The third paper will consist of a passage or passages of English prose to be translated into French.

French.

Prescribed Text-books—

ERCKMANN-CHATRIAN : Le Conscrit.

DAUDET : Tartarin sur les Alpes. (Siepmann's edition.)

MOLIÈRE : Les Femmes Savantes. (Harrap.)

Grammar recommended—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar. (Harrap.)

Books recommended for rapid reading :—

La Bastide Ronge (Elie Berthet). La Rose Blanche (Louise Enault) and La Viede Polichinelle (Octave Feuillet), all of Siepman's French series and published by Macmillan & Co.

A CLASSICAL LANGUAGE.

There will be three papers of three hours each in each of these languages : the first paper will be on Poetry (including Drama in the case of Sanskrit) and Unseen, the second paper on Prose and Unseen and the third paper on Grammar, Composition, and Translation into the classical language. Questions in Grammar relating to the text may be included in each of the first two papers.

(*a*) Sanskrit.

Paper I.—Poetry, including Drama and Unseen.

(*a*) Raghuvamsha, Canto XIII (as in Astapuspika by Nilkamal Bhattacharya or in any other edition).

(*b*) Shakuntala, Act IV (as in Astapuspika by Nilkamal Bhattacharya or in any other edition).

NOTES.—1. Students are expected to explain selected passages in their own Sanskrit.

2. No Prakrit passages shall be set for the examination.

Paper II.—Prose and Unseen—

(*a* Prose—Chandrapeeda Charitam (the story of Kadambari written concisely in Bana's own words), by Pandit V. Anantacharya, published by the editor in 1917, Nungambaukam, Madras, and printed at the Law Printing House, Mount Road, Madras. Price, annas 6.

(*b*) Unseen—The following stories from the Mahabharata are recommended :—

(1) Nalopakhyana.

(2) Sakuntalopakhyana.

NOTE.—Easy passages from the above-mentioned books and similar passages from other similar books should be set for translation.

Paper III.—Grammar, Composition, and Translation.

Books recommended :—

1. Apte's Guide to Sanskrit Composition.
2. Kale's Higher Sanskrit Grammar.
3. Vidya Bhushan's Sanskrit Grammar.
4. Bhandarkar's Second Book of Sanskrit.

In addition to the course in Grammar prescribed for the High School Examination of 1930, the course in

Grammar for the Intermediate Examination of 1930 shall consist of the following :—

The remaining declensions of all nouns and pronouns, conjugations of verbs of frequent occurrence in classical literature of all the *gunas* in all the *lakaras*, the use of *karakas*, the *samasas*, and the *krit* and *taddhita* forms.

N.B.—Sanskrit must be written in Devanagari character.

(*b*) Arabic.

Paper I.—*Poetry and Unseen.*

Text :—

(*a*) حسان بن ثابت

١ ـ عفت ذات الاصابع فالجواء

٢ ـ هل رسم داسة المقام بباب

٣ ـ عرف ديار زينب فالنثيب

٤ ـ صلى الاله على اللذين تتابعو

٥ ـ الا والله ماندري هذيل

٦ ـ والله انالانفارق ماجد

٧ ـ وشق له من اسمه كي يجله

٨ ـ مابال عيني لا تنام كانما

٩ ـ اليت حلفة بر غير ذي دخل

١٠ ـ تاو يني ليل بيثرب اعسر

١١ ـ أظن عينه اذ ،ار ها

١٢ ـ الا بالقوم هل لماحم دافع

١٣ ـ اعرض عن العوراء ان اسمعتها

١٤ ـ لقد جدعت اذان كعب و عامر

١٥ ـ اذلله حيا معشرا بفعالهم

١٦ ـ ذهبت باين الزبعري وقعة

١٧ ـ ولقد بليت و عز مهلك جعفر

١٨ ـ لقد ورث الضلالة عن ابيه

١٩ ـ ابا لهب ابلغ بان محمدا

٢٠ ـ الله اكرمنا بنصر نبيه

٢١ ـ هل المجد الا السودد العود و الندى

ابک بکت عیناک ثم تبادرت ـ ٢٢
الین اذالان العشیر فان تکن - ٢٣
و یثرب تعلم اِنّنا بها - ٢٤
و ممسک بصداع الراس من سکر ـ ٢٥
ابلغ هوازن اعلها و اسفلها ـ ٢٦
سقتم کدانة جهلا من عداوتکم ـ ٢٧
لو خلق اللوم انسانا یکلمهم - ٢٨
ثوی بمکة بضع عشرة حجة - ٢٩

(b) شعرالنصرانیه	Page.	No. of lines.	Poet.
(1) اُ ادکر حاجتي ام قد کفاني	220	9	امیته ابن الصلت
(2) الم تران الورد عدد صدره	94	4	تبیصه بن النصراني
(3) بکیت لفوسان و حق لناظري	147	7	براق
(4) لقد نصحت الاقوام و قلت لهم	414	9	ورقه بن نوفل
(5) آ اجمع صحیتي السحر ارتحالا	201	6	عمرو بن کلثوم
(6) فلم تبثرلنا عطفان لما	208	11	زهیر بن خباب
(7) لقیت تغلب کصبة عاد	243	9	فندالزماني
(8) انها جاری لصمدي ماعلموا ادني عیالي	246	8	حساس بن مرة
(9) یا کعب ابل او قصرت علي	254	9	عبدالمسیح بن عسله
(c) حماسه	28	22	سمؤل بن عادیا
اذالمرء لم یدنس من اللؤم عرضه			
(d) ریاض الادب	147	6	حقیقة بنت عمر والبا هلیة
کذا کفضیین في جرثومة السفا			
دیوان الحسناء	41	10	الخنسا بنت عمرو
اعیني جو د اولا تجمدا			

Dr. A. S. Tritton's edition of these selections is approved.

Unseen—

Recommended :—

نوادر الحکایات by قلیوبي 1st half.

Paper II.—*Prose and Unseen.*

Text :—

(*a*) ابن خلدون (The biography of the Prophet.)

(*b*) Tajaribul Umam, Eclipse of the Abbaside Caliphate, volume I, pages 83 to 91. Imprisonment of Um Musa, the stewardess, and appointment of Ibn Furat as Wezir, 310 to 311 Hijra, pages 202 to 216.

Unseen—

Recommended :—

نوادرالحكايات by تليوبي 1st half.

Paper III.—Grammar, Composition, and Translation into the classical language.

Grammar—

مدارج العربيه by M. Izzat Ullah, published by Chashmai Rahmat Book Agency, Ghazipur, U. P.

NOTE.—Arabic words must be written in Arabic character.

(*c*) Persian.

Paper I.—*Poetry and Unseen.*

Text :—

(1) ديوان عندليب 1st 15 Ghazals.

(2) ديوان نظيري 1st 15 Ghazals.

(3) قصايد سلمان ساوجي

(*a*) اے سران ملک را شمشير تو مالک رقاب

(*b*) باد سحر گهي بهواے تو جان دهد

(*c*) بدل رسيده سحرگاه در مقام حضور

(4) قصايد ظهير فاريابي

(*a*) سپيده دم چو شدم محرم سراے سپهر

(*b*) سپيده دم چو زند ابر خيمه در گلزار

(*c*) شرح غم تو لذت شادي بجان دهد

(*d*) چوں بر زمين طايفه شب گشت آشکار

(5) یوسف و زلیخا

(a) بخواب دیدن یوسف مادر و پدر خود را up to بلے هر کس ز غم دارد دلے تنگ

(b) هزاراں فیض برجان و up to وفات یافتن یوسف تنش دان

The edition of the above, published by Anwarul Matabay, Victoria Street, Lucknow, is approved.

Unseen—

Recommended :—

دیوان عندلیب 21—41 Ghazals, published by Anwarul Matabay, Victoria Street, Lucknow.

Paper II :—*Prose and Unseen.*

Text :—

1. جنگ نامه نعمت خان عالي
2. سوانح شیخ علي حزین from the beginning up to مطبع مردم بیگانه زیاده ملایمت نکند
3. نامهٔ خسروان from حالات هوشنگ up to که تازیان سلیمان دانند
4. کدورتها up to ازعنایات بیغایات الهي from توزک جهانگیري بصفا مبدل گردید
5. آئین اکبری Sir Syed Ahmad's edition, volume III, pages 291—298, from گفتار دلاویز شاهنشاهي up to میفرمودند no. 57.
6. سفرنامه شاه ایران from روز دوشنبه دوم ذیقعده up to تا هوا روشن بود اینها مي رقصیدند

The edition of the above, published by Anwarul Matabay, Lucknow, is approved.

Unseen.

Recommended :—

1. "Humayun Nama," by Gulbadan Begam.
2. حالات اکبر from سیر المتاخرین

Paper III.—Grammar, Composition, and Translation into the classical language.

Grammar :—مخزن الفوائد by Maulvi M. H. Nasiri, Chapters I—VII (Mission Press, Allahabad).

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Prescribed course :—

I.—Text—CICERO : In Catilinam, I and II.

,, De Amicitia.

LIVY : Book XXII, Chapters 1—51.

VIRGIL : Aeneid, VI.

HORACE : Odes, Book II.

II.—Grammar :—Gildersleeve's Latin Grammar, or Allen's Latin Grammar is recommended.

(*e*) Greek.

Prescribed course :—

Text—PLATO : Apology and Crito.

SOPHOCLES : Antigone.

(*f*) Hebrew.

Prescribed course :—

I.—Text—SAMUEL, Book I.

PSALMS, I—LX.

II.—Genesis is recommended for rapid reading in connexion with Unseen.

III.—Grammar :—Duff's Hebrew Grammar is recommended.

PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(For female candidates only.)

NOTE.—The subject should be taught in such a way as to be practically beneficial to the students.

There will be two papers of three hours each : the first paper will contain questions on (1) Activities of the Modern Home, (2) Physiology and Hygiene, and (3) Public Health and the second paper on Child-Study.

I.—Activities of the Modern Home.

(1) To provide for the physical needs and development of the members of the family.

(2) To provide for their mental, moral and social needs.

(3) To co-operate with the community for the better meeting of these needs.

(4) To maintain the home on an economically sound basis so as to make possible the meeting of the above needs.

II.—The study of Physiology and Hygiene, especially from the point of view of the physical development of the child.

A.—The cells, the supporting tissues and their structure.

B.—The skeleton ; bones ; joints ; the muscular system. A special study of the conditions, making for the normal development of these systems, such as posture, etc.

C.—Digestion and nutrition.

(1) The organs and processes of digestion.

(2) The food needs of the body.

(3) The classes of food-stuffs.

(4) The diet of the pre-school and school child.

(*a*) Constipation as a special dietary problem of school children.

(*b*) Mal nutrition, how to detect and remedy it.

(5) Effect of cooking on food ; method of cooking with special emphasis on methods of cooking food for children.

(6) Treatment of minor digestive ailments.

(7) Alcohol and drugs and their effect on the digestive system.

D.—The excretory system—The skin, kidney, bowels. Health habits of children in relation to the above.

E.—The circulation of the blood—The heart ; arteries ; veins ; capillaries. The regulation of the blood supply. The composition of the blood and its work in the body.

The problem of the child with the weak heart.

F.—Respiration.

(1) The lungs ; trachea ; larynx ; the composition of pure and impure air, effect of breathing on air.

(2) Formation of proper breathing habits in children. Posture ; special breathing exercises.

(3) Ventilation for the school and home.

G.—The nervous system and sense organs.

(1) The nerves ; spinal cord ; brain.

(2) The structure of the eye ; ear ; nose.

(3) Health habits to promote the normal development of these organs.

(4) Common defects of these organs—how to detect them.

(5) Treatment of minor ailments and accidents.

(6) The effect of alcohol and drugs on the nervous system and sense organs.

H.—Clothing.

(1) Selection of clothing, especially for children.

(2) Training of children as to care and cleanliness of clothing.

I.—Occupation, exercise, recreation, rest, sleep. Health habits to be established in children in the above.

J.—Precautions against common diseases.

(1) Health habits which will protect the child from common diseases.

(2) Health habits which will prevent the spread of infectious diseases.

III.—Public Health.

A.—Responsibility of the individual.

B.—Disposal of refuse and waste water. Drainage. Latrines.

C.—Water supply, Food supply.

D.—Prevention and arrest of infectious diseases.

E.—Gardens. Play grounds. Open spaces.

F.—Modern movement for the education of society in the laws of health, e.g., "Child Welfare."

IV.—Child-Study.

The study of children's development from the point of view of physique, intelligence, and character, based as far as possible on the observation of individuals and classes.

An elementary study of the means by which children acquire knowledge and skill, including such as the following :—

The senses and sense training ; instincts and their relation to children's interests ; forms of activity and expression ; the function of play ; imitation and suggestion ; habits and their formation, memory and imagination ; interest and attention ; the formation of clear and connected ideas ; simple processes of reasoning ; growth of the will.

The aims and methods of discipline ; training in responsibility, in the right use of freedom and in the social duties.

Books of reference—

*Elementary Physiology. W. B. Drummond. 2*s*. 2*d*. Publisher, Arnold.

* Elementary Hygiene for India. C. Beresford Lahiri & Co., College Street, Calcutta.

Physiology and Hygiene. G. D. Cathcart. Macmillan.

Elementary Physiology. Bhata and Suri. Longmans, Green & Co.

Child Mind, by Dumville.

Modern Psychology. Meredith (Constable).

Dawn of Mind. Drummond (Arnold).

Child-welfare, by Dr. S. K. Mukerji (Indian Press, Allahabad.)

(The books marked* indicate the scope of the work equired in Physiology and Hygiene.)

INTERMEDIATE EXAMINATION IN COMMERCE OF 1930.

The following are the subjects of examination :—

Compulsory subjects—

1. English, including correspondence.
2. Book-keeping and Accountancy.
3. Business Methods and Elementary Economics.

Optional subjects—

One of the following :—

1. Commercial Geography—
   (*a*) General,
   (*b*) India,
   or
2. Type-writing,
   or
3. Shorthand.

The following papers will be set :—

1. *English, including correspondence.*—Two papers of three hours each.

2. *Book-keeping and Accountancy.*—Two papers of three hours each.

3. *Business Methods and Elementary Economics.*—Two papers of three hours each : one paper on business methods and one paper on Elementary Economics.

4. *Commercial Geography.*—One general paper of three hours. One paper on the Commercial Geography of India, of three hours.

5. *Type-writing.*—One paper of* three hours.

6. *Shorthand.*—One paper of three hours.

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*Theory paper—Two hours.
Type-copying—one hour.

The syllabus in each subject is as follows :—

English, including correspondence.

First pape —Commercial English.

This will consist of—

(*a*) Draft of commercial and official correspondence.

(*b*) Re-writing in plain language of passages from market reports (financial and commodity markets), with explanations of selected terms and phrases occurring in the passage.

(*c*) Précis-writing.

Book recommended (not prescribed)—

Modern Commercial Correspondence, by John K. Grebby, MacDonald & Evans, London.

Second Paper—General English.

This will consist of—

(*a*) Translation from indirect to direct speech and *vice versa.*

(*b*) Re-writing of incorrect or badly constructed sentences.

(*c*) Synthesis of simple sentences and the resolution of complex sentences.

(*d*) An essay on a subject of general interest.

Books recommended (not prescribed)—

A Course of practical English, by E. J. Belly. G. Bell & Sons, Ltd.

How to summarise, expand or recast, by J. C. Nesfield. (Macmillan & Co., Ltd.)

Modern English, by Brown and Walker. (Macmillan & Co.).

Tale of Two Cities (abridged edition).

Vicar of Wakefield (abridged edition).

Book-keeping and Accountancy.—The principles of Double Entry Book-keeping and their application. Books of original entry, Including Tabular Forms. The

Ledger. Trial Balance. Manufacturing, Trading, and Profit and Loss Accounts, with apportionments and adjustments. Balance-sheets. Loose Leaf and Card Index system of Book-keeping. Self-balancing Ledgers. Single Entry Book-keeping.

In the treatment of the above the following matters will be included :—Cheques, Bills of Exchange and Promissary Notes ; Goodwill; Classification of Assets ; Bad Debts ; Depreciation, Reserves and Sinking Funds ; Consignment, Joint Venture and Contract Accounts ; Partnership and Company Accounts (including the Double Account system), Capital and Revenue ; Investment Accounts ; Accounts Current and Average Due Dates.

Books recommended—

Students' Elementary Book-keeping, by Arthur Fieldhouse. Simpkin-Marshall & Co., Ltd., London, E. C. 4.

Advanced Accounts (third edition), by J. R. Batliboi. S. Govind & Co., Bombay.

Advanced Accounts, by R. M. Carter. Published by Pitman.

Business methods.—1. The general routine of a Business House : Inward and Outward correspondence (excluding drafting) ; Methods of rapid communication ; Duplicating processes.

2. The significance of Trade, Commerce and Industry ; Manufacturing and Distribution House. The buying and selling of goods. Mercantile Enquiry Agencies. Importation and Exportation of goods. Documentary Bills. Elementary Fire and Marine Insurance as applicable to this section. Use of Card Indexes.

3. The meaning of the principal commercial terms occurring in connexion with the above and the preparation of the chief documents involved, including arithmetical calculations.

4. An elementary knowledge of the Law relating to Contracts and Negotiable Instruments.

Contract Law.—Agreements that are contracts ; essentials of a good contract ; offer and acceptance ; genuineness of consent ; contractual capacity of parties ; legality of objects (agreements, unlawful, immoral and against public policy void) ; performance and discharge of contracts ; breach of contract ; damages.

Sale of goods.—Sale of ascertained and unascertained goods, passing of ownership, delivery, actual and constructive implied warranties, rights of unpaid seller.

Negotiable instruments.—Making, drawing, accepting and endorsing of Promissory notes, Bills of exchange and cheques, holder in due course, dishonour, noting and protest, presentment for payment and acceptance for honour.

Books recommended—

Modern Business Training, by John K. Grebby. Macdonald & Evans, London.

Elementary Economics.—(The treatment of the subject should be very elementary and, as far as possible, it should be illustrated by reference to Indian conditions.)

The subject-matter and scope of Economics, fundamental notions and simple definitions. Relation between wants, efforts and satisfaction.

Production.—Factors of production : Land, Labour, Capital and Organization.

Nature and Limitations of Land ; Division of Labour and other factors of efficiency of labour ; Organization of capital.

Laws of increasing, diminishing and constant returns.

Wants.—Diminishing utility. Value—its determination. Balancing of supply and demand.

Machinery of Exchange.—Money and its functions. Qualities most desirable in currency—legal tender—token money—Gresham's Law—Paper Currency—Convertible and Inconvertiable credit—Credit instruments—Bills of Exchange—Cheques.

Indian Currency.—The Gold Exchange Standard—The Gold Standard Reserve, Council Bills—Reverse councils—Indian Currency during and since the war—Indian Banks and the chief functions performed by them—the Imperial Bank, the Exchange Banks, and Indian Joint Stock Banks.

Distribution.—Rent—interest—wages—profits (with particular reference to Indian conditions).

Books recommended—

PENSON : Economics of Every-day Life, Part I.

MORELAND : Introduction to Economics.

JEVONS : Money and Banking in India.

Introduction to Economics for Indian Students, by W. H. Moreland. Macmillan & Co., St. Martin's Street, London.

The Economics of Every-day Life, by Sir T. H. Penson. Cambridge University Press.

Commercial Geography.—*A. General.*—I. (*a*) Physiographic Control of Commerce. Climate. Effect of climate on vegetation. Vegetation regions. Distribution of important commodities as wheat, rice, cotton, barley, flax, jute, etc., and conditions under which they are severally produced.

(*b*) Vegetation, its relation to industries.

(*c*) Trade routes connecting the most important regions producing the different commodities as studied above and the important markets for them. Ports. Localisation of Industries.

II. A study of the various types of geographical regions from the standpoint of commerce, particularly

of the West marginal type in Europe, the East marginal type in Monsoonal Asia, and of continental types in N. America.

(This would imply an intelligent study of the physical features of the different regions, more particularly in relation to their effects on climate, agricultural production, and the easiest lines of inland communication, whether by water, road or rail. Special attention should be paid to the geographical distribution of industries.)

B. India.—A study of the Commercial Geography of India on the regional basis involving the study of—

(*a*) Surface features and physical structure.
(*b*) Climate.
(*c*) Agricultural products.
(*d*) Irrigation.
(*e*) Distribution of minerals.
(*f*) Industries.
(*g*) Communications.

NOTE.—In the study of regional types special attention may be devoted to the parts of the British Empire occurring in these types.

Books recommended—

Smaller Commercial Geography, by G. G. Chisholm. Longmans, Green & Co., 39, Paternoster Row, London.

TYPE-WRITING.

This will be the same as in Commerce for the High School Examination of 1930, but of a more advanced character—the speed to be 30 words per minute.

The maximum marks and the time allotted to the papers in this subject are as follows :—

		Marks	*Time allowed.*
Theory paper	.. ...	30	2 hours.
Type-copying	(*a*) Passage and letter	50	1 hour.
	(*b*) Tabular statement	20	
	Total ..	100	3 hours.

Books recommended—

1. Expert Typist, by J. A. Rosemond, Methodist Publishing House, Lucknow, (or any other good Manual, such as Smith's Pitman's, or Remington's).

2. A Type-writing Manual for Indian Students, by E. M. Moffatt and V. A. Kshirsagar. Methodist Publishing House, Lucknow.

SHORTHAND.

1. Writing in Shorthand from a passage dictated at the rate of 80 words a minute, for a period of ten minutes.

2. Writing in Shorthand from a business letter of general commercial phraseology, dictated at the rate of 80 words a minute, for a period of five minutes.

3. Transcription of both the above.

Book recommended—

Pitman's Instructor, by Pitman & Sons, London.

INTERMEDIATE EXAMINATION IN AGRICULTURE OF 1930.

N.B.—Preference for admission to this course will be given to candidates who have studied (*a*) Chemistry and Physics or (*b*) Agriculture for their admission test examination.

The following are the subjects of examination :—

Group I
1. Elementary Farm Chemistry.
2. Elementary Farm Physics.

Group II
1. Botany.
2. Elementary Zoology.

Group III Agriculture A
1. Farm Crops.
2. Elementary Economics.
3. Horticulture.
4. Climatology.

Group IV Agriculture B
1. Introduction to Animal Husbandry.
2. Elementary Irrigation and Drainage.
3. Farm Machinery.

Group V
English.

The following papers will be set :—

Group I
1. Elementary Farm Chemistry—One paper of three hours.
2. Elementary Farm Physics—One paper of three hours.

Group II
1. Botany—One paper of three hours.
2. Elementary Zoology—One paper of three hours.

Group III Agriculture A
1. Farm Crops and Elementary Economics—One paper of three hours.
2. Horticulture and Climatology—One paper of three hours.

There will be a practical examination of two hours in Farm Crops and Horticulture only in this group.

Group IV, Agriculture B
1. Introduction to Animal Husbandry—One paper of three hours.
2. Elementary Irrigation and Drainage and Farm Machinery—One paper of three hours.

There will be a practical examination of two hours in Introduction to Animal Husbandry and Farm Machinery only in this group.

Group V English—Two papers of three hours each. The first paper will be on composition and translation and the second paper on general topics of interest based on newspaper reading, not of a political character.

There will be no separate practical examination in the following, but practical question will be included in the theoretical papers :—

Farm Chemistry, Farm Physics, Botany, Zoology, Economics, Climatology, and Irrigation and Drainage.

The syllabus in each subject is as follows :—

GROUP I.

ELEMENTARY FARM CHEMISTRY.

(1) *Inorganic.*

Common properties of matter.

Atoms, molecules, symbols, formulæ, equations, and chemical calculations.

The fundamental principles of Chemistry, the atomic theory, laws of definite and multiple proportions. Avogadro's hypothesis, Boyle's and Charles' laws, elements,

compounds, chemical combination and mechanical mixture.

The sources, preparation and properties of the following elements and their compounds which are of importance in connection with Agriculture :—

Hydrogen, oxygen and water. Temporary and permanent hardness of water, method for softening them.

Nitrogen, ammonia, oxides of nitrogen, nitric acid and the nitrates. Nitrification.

The atmosphere. The physical and chemical properties of the air and its constituents.

Oxidation and reduction. Acids, bases and salts.

Halogens.—Chlorine, hydrochloric acid and the chlorides.

Sulphur.—Sulphur dioxide and trioxide, sulphuric acid, and the sulphates, sulphuretted hydrogen and the sulphides.

Phosphorus.—Phosphorus pentoxide, phosphoric acid and the phosphates.

Arsenic and arsenious oxide.

Silicon, silica, and the silicates.

Carbon and carbonic acid and the carbonates.

The following metals and their chief compounds :—Sodium, potassium, ammonium, lead, copper, iron, aluminium, calcium, manganese and magnesium.

(2) *Organic.*

Occurrence, preparation, properties and uses of—

Common saturated and unsaturated hydrocarbons, alcohols, fatty acids, fats, oils, soaps, carbo-hydrates and organic nitrogenous compounds.

Laboratory work to consist of experiments, recorded in note-books based upon the problems developed from the syllabus.

The following books are suggested for reference :—

1. " Every-day Chemistry," Alfred Vivian American Book Co., New York. Price, about Rs. 5.

2. A foundation course in Chemistry for students of Agriculture and Technology, by J. W. Dodgson and J. A. Murray. Longmans, Green & Co., Calcutta. Price, about Rs. 3.

3. Introduction to the Study of Inorganic Chemistry, by W. A. Miller. Longmans, Green & Co., Calcutta. Price, about Rs. 4.

4. Agricultural Chemistry, by R. H. Adic and T. W. Wood, Vol. 1. Kegan Paul, Trench, Trubner & Co., Ltd., Paternoster House, Charing Cross Road, London. Price, about Rs. 4.

5. Organic Chemistry, by Perkin and Kippling. W. R. Chambers, Ltd., London. Price, about Rs. 7.

6. Elementary Agricultural Chemistry, by H. Ingle, Charles, Griffin & Co., Ltd., London. Price, about Rs. 4.

ELEMENTARY FARM PHYSICS.

1. Units and measurements, metric system, length, area and volume. The balance and methods of weighing. Use of screw gauge and callipers. Mass and density.

2. Gravitation ; falling bodies.

3. Liquids and gases. Forces due to weight of a liquid. Forces transmitted by a liquid. Archimedes' principle. Properties of gases. Expansibility and compressibility of gases. Atmospheric density and barometers. Applications of air pressure ; pumps.

4. Heat. Effect of heat on solids, liquids and gases. Change of volume with temperature. Thermometers. Transference of heat.

5. Light ; rectilinear propagation of light. Shadows. Lenses. Images. Refraction. Colour.

6. Magnetism, magnetic forces and magnets. Compass.

7. Electricity. Production of electricity by friction. Properties of a charged body. Insulators. Conductors. Electroscopes. Batteries. Magnetic effect of currents. Electro-magnetic induction.

Laboratory work to consist of experiments, recorded in note-books, based upon the problems, developed from the syllabus

The following book is suggested for reference :—

A High School Course in Physics, by F. R. Gorton. D. Appleton & Co., New York. Price, about Rs. 5.

SOILS (SOIL PHYSICS).

The origin of soils and processes of their formation.

The nature of soil constituents, sand, clay, chalk and humus.

The classification of soils according to their constituents and origin.

Soil properties.

Manures—(*a*) Organic manures ; (*b*) Chemical fertilizers.

The following books are suggested for reference :—

1. The Soil, by A. D. Hall, John Murray, London.

2. The Physical Properties of Soils., by A. G. McCall. Orange Judd & Co., New York. Price, about Rs. 2-12.

3. First Principles of Soil Fertility, by Alfred Vivian. Orange Judd & Co., New York, or Christian Book and Tract Society, Allahabad. Price, Rs. 2-7.

4. Soils, their Properties and Management, Lyon, Fippin and Buckman, Macmillan & Co., New York. Price, Rs. 10.

5. Soils and Fertilizers, Harry Snyder, Macmillan & Co., New York.

GROUP II.

BOTANY.

1st year.

Fundamental Principles of Biology (Introductory).

General morphology (study in detail) :—

Root and its modification.

Stem and its modification.

Leaves—arrangement of leaves, modification of leaves.

Flower—inflorescence, floral leaves, floral diagram.

Pollination—floral adaptations.

Fruits—classification and dispersal.

Life-history of maize and pea.

Internal anatomy.—Study of cell ; elementary histology of root ; stem, leaf.

2nd year.

Physiology (study in outline) :—

Chemical composition of the plant.

Absorption of nutrient substances.

Assimilation of food materials.

Transpiration.

Growth.

Reproduction (including germination of seed.)

Classification—Principles of classification.

Study of Bacillus, Mucor, Spirogyra.

Fern and the following orders :—

Leguminaceae (Papillionaceæ).

Cruciferæ.

Malvaceæ.

Solanaceæ.

Cucurbitaceæ.

Graminaceæ.

Weeds—any plant out of place—Common weeds of cultivation—Method of dispersal and perenation—relation

to weed control—Weeds as related to different soil conditions—of rice land—of dry grain land—Weeds as indicators of soil conditions.

The work should be such that the students are enabled to make their own observations and deductions. Field excursions under proper supervision should be carried on regularly, special attention being given to field crops.

Students will be required to submit at the final examination notes of field observations and work in the laboratory certified by the lecturer.

The following books are suggested for reference :—

1. Text-book of Botany (Indian edition), Lowson and Sohni. London University Tutorial Press, or Thacker, Spink & Co.

2. Practical Botany, Cavers. London University Tutorial Press, or Thacker, Spink & Co.

3. Manual of Botany for Indian Schools, Government Press, Madras.

4. Agricultural Botany, Percival Duckworth & Co., 3, Henrietta St., Covent Garden, London, W. C., or Thacker, Spink & Co.

ELEMENTARY ZOOLOGY.

Distinctive properties of protoplasm, nutrition, growth, respiration, secretion, excretion, and reproduction.

The cell—its methods of division and differentiation.

Practical acquaintance of the following :—

Amoeba, paramoecium, earthworm, cockroach, frog, rabbit (or other small mammal).

Each candidate will be required to submit notes of work in the laboratory properly certified by the lecturer.

The following books are suggested for reference :—

1. Practical Zoology, Parker and Parker. Macmillan & Co.

2. A Text-book of Zoology, Wells and Davis. London University Tutorial Press, or Thacker, Spink & Co.

3. Agricultural Zoology, Theobald. Wm. Blackwood & Sons, Edinburgh.

GROUP III.

AGRICULTURE—A.

Farm Crops.

Classification, origin and distribution of farm crops. Early culture of plants ; number of cultivated plants, classification by use, important botanical groups, most important crops, factors affecting culture of crops.

Cropping systems :—Productiveness, effects of cropping, single system, alternating, rotation, results and effects of different systems.

Juar :—Origin, classification, varieties, growth and development, effect of climate, soils for juar and potatoes, importance of adaptation, fertilization, selection, improvement, tests, preparation of land, tillage, harvesting and utilizing, insects and diseases, seed-judging.

Crops to be studied :—

(1) *Cereals.*—Wheat, millets, etc.

(2) *Fibres.*—Cotton, flax, etc.

(3) *Oil-seeds.*—Castor, linseed, etc.

(4) *Roots.*—Carrots, turnips, etc.

(5) *Legumes.*—Peas, groundnuts, etc.

(6) *Fodder.*—Juar, lucern, etc.

(7) *Miscellaneous.*—Tobacco, tea, etc.

The following books are suggested for reference :—

1. Agricultural Note-book of Facts and Figures for the United Provinces, to be published shortly by the Department of Agriculture, United Provinces.

2. The Complete Farmer, by Premirose MacCommell. Cassell & Co., London.

ELEMENTARY ECONOMICS.

Introduction.—What is Economics ? Why is one nation richer than another ? Why is one man richer than another ? What is wealth ? How does it differ from income ? The whole course is an answer to these questions.

Production.—What does it cost to produce wheat on a village farm in the United Provinces ? Cost of labour, ploughing, sowing, weeding, reaping, threshing, etc. Purchase and depreciation. Interest on all expenses till the crop is sold. Rent of the land and transportation to the bazaar. Cost of supervision.

Examine similarly the cost of producing and marketing milk and other common necessities.

Exchange.—Has it paid to produce wheat and milk at the above cost ? What are the present prices of wheat, milk, etc., in the United Provinces for different qualities at different seasons and for the last five years ? What causes these differences and changes ? Laws of supply and demand and causes for variation. Relation of prices to cost of production over a period of years.

Consumption.—Why do we demand wheat, cotton, milk, pottery, tools ? Wants and their varying importance. Necessities, comforts, luxuries. Division of income between various wants. Budgets of students and villagers. Do we get equal satisfaction from equal expenditure ? How do we change our purchase when prices fall and when our incomes increase ?

Difference in the cost of production and distribution.—Why do rents differ? Kinds of land. Advantages of fertility and situation.

Why do rates of interest differ? Short and long loans; risks and management of loans. Co-operative credit. Relation of the rate of interest to the supply of capital. Causes of saving.

Why do wages differ. Grades of labour. Efficiency of labour. Real and nominal wages. Cost of living and the standard of living. Relation of wages to the supply of labour. Relation of birth-rates and death-rates to income.

Organization and management.—In what different ways might wheat be produced? Does the method depend upon situation? Wages? The rate of interest? Education? Quality of the product? How is the method actually determined? By whom?

Carry out this reasoning for milk and other common necessities.

In what cases is it most profitable to use a railway, a bicycle and one's feet? Compare the uses of hand-writing, typewriting and printing press. Hand-sewing and the sewing machine. Why do primitive methods continue in use along with more advanced ones?

Money, banking and foreign exchange, barter, uses of money, reasons for minting and for free coinage, paper money and cheques. The work of banks and their economic importance. India's foreign trade and its advantages.

Taxation.—The necessity for taxation. The income-tax, custom duties, land revenue and excise. Who bears these taxes? Reasons for progressive taxation. Imperial and local taxation.

The following books are suggested for reference :—

1. Elements of Economics, Vol. I, by Alfred Marshall. Macmillan & Co., London.

2. An Introduction to Economics for Indian students, by Moreland.

HORTICULTURE.

Vegetable Gardening.

The place of vegetable on the farm—as a main crop—as a side issue—yield per acre—expense—relation to other farm operations.

Food value of vegetables and fruit—as substitute for grains and meat—carbohydrates contained—as addition to grains and meats—acids, minerals and vitamines—different types of food and their functions—roughage and variety—vegetables necessary in balanced ration. Types of vegetables—annuals and perennials—root, tuber, bulb, foliage and fruit vegetables.

General production—seed, its acquisition, growing seed, seed selection, seed preservation, the seed bed, its necessity, preparation and treatment—preparation of land, clearing, levelling, grading, manuring, fencing, division into plots, irrigation systems, paths, planting, in field or beds, transplanting, thinning, weeding, cultivation, irrigation, harvesting, marketing.

Special crops—potato, tomato, brinjal, peppers, the legumes, beets, turnips, carrots, radishes, lettuce, celery, sweet potato, yam, kohl crops, cucurbits, okra, spinach, sag, maize, onion, leek, garlic, asparagus, globe and Jerusalem artichokes.

The following books are suggested for reference :—

1. " Firminger's Manual of Gardening for India," W. Burns. Thacker, Spink & Co., Price, Rs. 10.

2. Gollan's Indian Vegetable Garden Normal Gill. Thacker, Spink & Co.

or

Fruit Growing.

Opportunities. Demand for fruit ; wealth of varieties ; suitability of climate ; long season ; present small production ; present inferior quality ; possibilities in quality ; production of superior quality.

Choice of enterprise ; selection of land ; favourable climate ; fertile soil, slope for irrigation, drainage and prevention of erosion, size and shape ; available labour, available market, roads and railroads in fruit-growing district ; spirit of people ; condition for family life ; religious school, medical aid ; water supply ; selection of fruits to be grown ; advantages of specialization and generalization ; suitability to region ; experience of grower ; demand of market ; ripening season.

Preparation of land ; levelling and grading ; locating farm buildings ; manuring ; fencing ; irrigation system.

Planting orchard ; propagation of trees ; raising seedlings ; budding and grafting stock and scions ; planting plan ; square hexagonal and quincunx system ; distance apart ; locating positions in field ; setting trees ; protection of small trees.

Cultivation ; clean *vs.* sod ; cover crops in rains ; ploughing ; harrowing ; interculture when trees are small.

Irrigation ; need ; sources of water ; pumps and wells ; distributing system ; canals and bunds ; pipe ; application to soil ; principles ; effect of mulch ; flooding ; furrow irrigation ; methods ; amounts ; frequency.

Measures and fertilizers ; elements used by plants ; nitrogen, phosphorus and potassium ; work of fertilizers ; types used in orchards ; methods of application.

Pruning ; kinds ; need ; object ; instruments ; time ; how to make cuts desirable shape ; pruning nursery stock ; young trees ; mature trees ; rejuvenation ; care of wounds ; how wounds heal ; dressing ; root pruning ; object ; methods.

Thinning ; definition ; advantages ; methods ; extent ; time.

Insect and disease control ; damage done ; type of insect ; their control ; types of diseases ; their control ; spraying ; dusting ; fumigation ; natural enemies ; resistant varieties and stocks.

Harvesting ; time ; picking practices ; ladders ; shears ; receptacle ; handling in field ; sorting ; grading ; packing.

Marketing ; contracting ; retailing ; shipping ; difficulties ; opportunities for co-operation.

Storage ; desirability ; possibility ; conditions ; cold storage.

Preservation and products ; tinning jams and jellies ; drying ; great opportunity ; extends market ; extends season ; makes demands more uniform ; papain from papayas.

Special fruits ; citrus ; mango ; guava ; custard apple ; papaya ; date ; loquat ; litchi ; pomegranate ; mangosteen ; jack-fruit ; banana ; cocoanut ; pineapples ; temperate fruits ; new fruits (history, geography, description, value and culture of each of the common fruits).

The following books are suggested for reference :—

1. Manual of Tropical and Sub-tropical Fruits, Popenoe. Macmillan & Co., New York. Price, Rs. 15.

2. Firminger's Manual of Gardening for India, W. Burns. Thacker, Spink & Co. Price, Rs. 10.

3. Modern Fruit Growing, by Seabrook. W. R. Seabrook & Sons, Ltd., The Nurseries, Chelmsford.

CLIMATOLOGY.

Instruments used in Indian observations, the method of interpreting the observations, weather in India ; effects of weather changes on crops ; distribution of crops and pest according to climates.

The following books are suggested for reference :—

1. Agricultural Meteorology, by Warren Smith. Macmillan & Co., New York.

2. Forecasting Weather, by W. A. Shaw. Constable & Co., London.

GROUP IV.

AGRICULTURE—B.

INTRODUCTION TO ANIMAL HUSBANDRY.

PART 1.—Judging, Placing with reasons market classes of dairy cattle, draft cattle and poultry, including trips to farms of prominent live-stock breeders.

PART 2.—Feeds, feeding and management. Handling of feeding stuffs and compounding rations. The care and handling of all classes of live-stock mentioned in Part 1 above, including housing. The marketing of their products.

PART 3.—Elementary principles of veterinary science. External and internal anatomy of the cow and domestic fowl.

Physiology of (1) Digestion, (2) Milk secretion, (3) Reproduction, (4) Muscular system.

The following books are suggested for reference :—

1. Feeding of Crops and Stock, by A. D. Hall.

2. The Complete Farmer, by Premirose McCommell.

3. Judging Live-stock, John A. Craig. Kenyon Printing Co., Des Moines, Iowa. Price, Rs. 7.

4. Feeds and Feeding, (abridged edition), by Henry and Morrison. Publishers, Henry and Morrison. Madison, Wiscon. Price, Rs. 10.

ELEMENTARY IRRIGATION AND DRAINAGE.

I.—Irrigation.

1. Hydraulic terminology ; definition of terms to be used.

2. Sources of water for irrigation ; canals for flow irrigation, lift irrigation, well irrigation.

Tanks—Advantages and limitations of tanks. Design of tanks, with regard to capacity when full ; effect of shape and depth on evaporation loss, average annual evaporation loss from open bodies of water ; effect of tanks on mosquito control.

Limiting factors and difficulties in pumping from a river.

3. Elementary types of pumps and water-lifts, bullocks and handpower. Water-supply for use in the home.

4. Distribution systems—

Flow systems, *pacca* and *kachcha* channels.

II.—Drainage.

1. Conditions making drainage necessary or profitable in India ; types of soils and situations which usually require drainage. Possible relations between irrigation and drainage.

2. Types of drains, open ditches, " blind stone " drains, drainage by " mole-hole machine," tile drains ; adaptability to different uses ; principles governing installation as proper levels ; depth to be laid, types of outlet.

The following books are suggested for reference :—

1. Agriculture and Irrigation in continental and tropical climates, K. D. Doyle. Thacker, Spink & Co. Price, Rs. 16-8.

2. Irrigation and Drainage, by King. Mount Pleasant Press, Harrisburg, Pa.

FARM MACHINERY.

Course to treat of the common machines used for the following purposes :—

1. Preparation of soil—
   Plough, harrow, roller, drag.
2. Seeding—
   Various types of seeders from deshi plough with bamboo attached to large grain drills.
3. Weeding and cultivation—
   Hand-tools such as khurpee, phawra, hoe, etc., cultivators adapted to animal draft.
4. Harvesting methods and machines—
   Hand and power.
5. Threshing machinery, silage-cutter and other machines for preparing crops for use.

This term's work to treat of one type of internal combustion oil engine of any well-known make.

Carpentry or workshop practice in wood during the 1st year.

Smith or workshop practice in iron during the 2nd year.

Application of triangle of forces. Equilibrium of parallel forces. Principle of moments.

Work and energy. Friction. Machines ; principles of the pulley lever, incline plane, screw and wedge.

The following books are suggested for reference :—

1. Farm Mechanics, by Crawshaw and Lehman. Manual Arts Press, Peoria, Illinois, U. S. A.

2. Farm Machinery and Farm Motors, Davidson. Thacker, Spink & Co. Price, Rs. 11-8.

ELEMENTARY SURVEYING.

1st year.

The value of mensuration; drawing to scale; preliminary considerations when commencing a survey. Knowledge of apparatus used in ordinary survey—not including levels, Surveyors' field-book, ability to enter up neatly and correctly from data collected in the field. Errors in measurement. Each student should know the length of his average pace. The length of a chain and a tape in use should be marked on the floor of one of the College verandahs and variations during different times of the year in length recorded.

Measurement of fields not requiring use of offsets. Measurement and entry in field-book of offsets. Plotting from field-book with offset scale. How to pole out a line when surveying over hilly ground. The survey by plain chain traversing of a small plot such as the lawn in front of the College.

2nd year.

The survey of a small plot such as the lawn in front of the College, including roads and hedges surrounding it. Plotting of the survey to a definite scale.

Ability to traverse with chain and prismatic compass. Reduction of bearings.

Levelling—Ability to set up and use the builders and contractors-evel, the Dumpy-level with staff, and to make entries in the level-book. How to reduce levels How to plot levels on a survey map.

A level survey of a definite piece o ground to be dore and a map prepared of the same showing contour lines.

The following books are suggested for reference :—

1. Agricultural Surveyors and Estate Agents' Hand-book of Practical Rules, Formulae, Tables and Data, T. Bright. Thacker, Spink & Co. Price, Rs. 7-8.

2. Practical Surveying and field work, by Salmon. Charles Griffin & Co., London.

Sources of power for pumping.

A comparison of engines, including steam, electricity and oil engines with each other and with oxen as to capacity, cost of installation, depreciation and repair, number of men required and cost per unit of water or land. The comparison to be limited to information not necessitating the detailed study of engines.

Distribution systems :—

Pipe systems with valve outlets and pressure, and pipe with stand-pipe outlets for surface irrigation. Sub-surface irrigation. Overhead irrigation.

GROUP V.

GENERAL ENGLISH.

The following books are suggested for reference :—

1. Men and Books, R. L. Stevenson.
2. The Little Minister, J. M. Barrie.
3. Daddy Long Legs, Jean Webster.

Maximum and Minimum marks assigned to the various subjects for the examinations of 1931.

High School Examination.

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks	50 in English and 33 in every other subject.

Intermediate Examination.

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks	50 in English and 33 in every other subject.

Intermediate Examination in Commerce.

Maximum marks ..	100 in each subject.
Minimum pass marks	33 ditto.

Intermediate Examination in Agriculture.

Maximum marks ..	100 in groups I and II each, 150 in group III and 50 in groups IV and V each.
Minimum pass marks	33 per cent. in each group.

Distinction.

Minimum marks required.	75 per cent. of the aggregate marks in a subject.

Division.

Minimum pass marks required 60 per cent. in the aggregate for division I.

Minimum pass marks required 45 per cent. in the aggregate for division II.

Minimum pass marks required 33 per cent. in the aggregate for division III.

COURSES OF STUDY.

HIGH SCHOOL EXAMINATION OF 1931.

A.—COMPULSORY SUBJECTS.

I.—ENGLISH.

Three papers, each of three hours, will be set (1) on the prescribed course in Prose and Poetry with questions on Grammar and Idiom, (2) on Unseen Passages with questions on Grammar and Idiom; (3) passages in a Modern Indian Language for translation into English and a simple narrative or descriptive composition in English. There will be no oral test, but there will be an examination in English Dictation at each centre.

Text-books prescribed :—

Group A.—

1. Macmillan's English Prose Selections.
2. Modern English Prose, by Brown (Macmillan).
3. Jones' English Prose Selections (Indian Press, Limited, Allahabad.) Revised edition, comprising the following extracts :—
   (1) Robinson Crusoe explores the Island, by Daniel Defoe.
   (2) Robinson Crusoe learns Farming and Pottery, by Daniel Defoe.
   (3) Crusoe learns Boat Building and Tailoring, by Daniel Defoe.
   (4) An Adventure with a Bear, by Charles Reade.
   (5) The Stage Coach, by Washington Irving.
   (6) Oliver Goldsmith, by Lord Macaulay.
   (7) Lost in the Desert, by Alexander Kinglake.
   (8) The Merchant of Venice, by Charles Lamb.

(9) The Miraculous Pitcher, by Nathaniel Hawthorne.

(10) An Incident in the Life of Sir Walter Raleigh, by Sir Walter Scott.

(11) The Keys of Calais, by Charlotte M. Yonge.

(12) The Golden Touch, by Nathaniel Hawthorne.

(13) Joan of Arc, by Charles Dickens.

(14) The Little Match Girl, by Hans Anderson.

(15) The Death of Nelson, by Southey.

(16) The Life of Buddha, by Max Müller.

Group B.—

1. Paths of Peace, Book II, by Mrs. Laurence Binyon (Oxford University Press).
2. The Story of the Buddha, by E. Holland (Harrap).
3. Heroes of Exploration (Ker and Cleaver), (Blackie & Sons, Limited).

Group C.—

1. Indian Schools Book of Verse, Part II, from which the following poems are prescribed :— The Slave's Dream ; The Plate of Gold ; The Honest Man ; Incident of the French Camp ; The Old Order Changeth ; My Heart Leaps Up ; Under the Greenwood Tree ; Blow, Blow, Thou Winter Wind ; The Burial of Sir John Moore ; Abou Ben Adhem ; The Brook ; Ring Out Wild Bells.
2. High School Poetry (Indian Press, Limited, Allahabad), the whole book omitting The Tiger, The Isles of Greece, and Horatius, Stanzas 1—20, 27, 28, 33, 34, 36—43, 45, 46, 54—57, 60—64.

3. School Favourites, from which the following poems are prescribed :—Lochinvar ; The Poet's Song ; The Honest Man ; The Plate of Gold ; The Deserted Village : To a Waterfowl ; To the Cuckoo, by Wordsworth ; The Daffodils, by Wordsworth ; Alexander Selkirk ; A Psalm of Life ; Ring Out Wild Bells ; The Spacious Firmament.

N.B.—*The above text-books are arranged in three groups—A, B and C. Group A contains books of prose selections, Group B books of inspirational stories, and Group C books of poetry. Every school must select for study one book only from each of the above groups.*

Books recommended for rapid reading and indicating the standard of the unseen passages to be set in the second paper :—

1. Scott's Ivanhoe (abridged), by P. Wren (Oxford University Press), Re. 1.
2. Scott's Ivanhoe (Victory Series).
3. Tanglewood Tales, by N. Hawthorne (Longmans, Green & Co.), 1*s*.
4. Shakespeare in Prose (Blackie).
5. Stories from Arabian Nights (Teaching of English Series), (Nelson).
6. Westward Ho (Victory Series).
7. Jungle Book, Kipling (Macmillan).
8. A Persian Hero, by Gandy (Macmillan & Co.), 1*s*.
9. The Exploits of Brigadier Gerard (Oxford University Press).
10. Stories from Tagore (Macmillan & Co.).
11. The Story of Don Quixote (Blackie & Sons).
12. Simple Chapters of English Life (R. S. Gulab Singh & Sons, Lahore).
13. Stories from Shakespeare, Wyatt (Oxford University Press).

14. The Children's Bible (Cambridge University Press).

15. Pioneers of Invention (George G. Harrap & Co.).

16. Men of Science (George G. Harrap & Co.).

17. The Story of the Ramayana (Indian Press School Classics).

18. The Story of the Mahabharata (Indian Press School Classics).

19. Teachers of India, by Kincaid (Oxford University Press).

20. Masterman Ready (Longmans, Green & Co.)

21. Legends from Greece and Rome (Victory Series).

22. Robinson Crusoe (Victory Series).

23. Tales from Indian History, by A. S. Roe (Macmillan).

24. The Golden Company (Oxford University Press).

25. Lamb's Tales from Shakespeare (Indian Press School Classics).

II.—MATHEMATICS.

There will be two papers, each of three hours—one in Arithmetic and Algebra and the other in Geometry and Mensuration.

SYLLABUS.

(1) Arithmetic and Algebra.

The four simple rules ; British and Metric systems of measurement ; Factors ; Prime numbers ; H. C. F. and L. C. M. ; Decimal fractions including conversion of a recurring decimal to a vulgar fraction and conversely ; Square Root ; Ratio and Proportion ; Average ; Percentage ; Profit and Loss ; Interest, simple and compound ; Present Worth and Discount ; Simple equations of one or more unknown quantities ; Quadratic equations of one unknown quantity ; Graphs of statistics ;

Graphs of straight lines and graphical solution of linear simultaneous equations; Problems.

N.B.—*Candidates will be provided with squared paper, if necessary.*

(2) Geometry and Mensuration.

The course includes theoretical, practical and numerical Geometry, and every candidate will be expected to answer questions in both branches of the subject. The questions on practical Geometry will be set on the constructions contained in the annexed Schedule A, together with easy extensions of them. All figures should be drawn accurately, for which purpose every candidate should provide himself with a graduated scale, a pair of set squares, a protractor, a compass and a hard pencil. The questions on theoretical Geometry will consist of theorems and problems contained in the annexed Schedules A and B, together with easy extensions and deductions with numerical illustrations. Any proof of a proposition will be accepted which appears to the examiners to form part of a systematic treatment of the subject; the order in which the theorems are stated in Schedule B is not imposed as the sequence of their treatment. In the proof of the theorems hypothetical constructions will be permitted.

N.B.—*Candidates will be provided with squared paper if necessary.*

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of the construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts.

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a rectangle equal to a given polygon.

Construction of a rectangle on a given base equal in area to a given rectangle.

Construction of a square equal to a given rectangle.

Construction of a rectangle of given area the sum or difference of whose sides is given. (These constructions should be based on the propositions on the geometry of the circle.)

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines (as corollaries to previous constructions of rectangles).

Construction of regular figures of 3, 4, 6 or 8 sides in or about a given circle.

Mensuration of triangles and simple rectilineal figures ; finding their area by means of field-book ; application of formulae for length of circumference and for area of a circle in terms of its radius.

SCHEDULE B.

Angles at a point.

If a straight line stands on another straight line, the sum of the two angles so formed is equal to two right-angles ; and the converse.

If two straight lines intersect, the vertically opposite angles are equal.

Parallel straight lines.

When a straight line cuts two other straight lines, if—

(i) a pair of alternate angles are equal, or

(ii) a pair of corresponding angles are equal, or

(iii) a pair of interior angles on the same side of the cutting line are together equal to two right-angles, then the two straight lines are parallel ; and the converse.

Straight lines which are parallel to the same straight line are parallel to one another.

Triangle and rectilineal figures.

The sum of the angles of a triangle is equal to two right-angles.

If the sides of a convex polygon are produced in order, the sum of the angles so formed is equal to four right-angles.

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles contained by these sides equal, the triangles are congruent.

If two triangles have two angles of the one equal to two angles of the other, each to each, and also one side of the one equal to the corresponding side of the other, the triangles are congruent.

If two sides of a triangle are equal, the angles opposite to these sides are equal ; and the converse.

If two triangles have the three sides of the one equal to the three sides of the other, each to each, the triangles are congruent.

If two right-angled triangles have their hypothenuses equal and one side of the one equal to one side of the other, the triangles are congruent.

If two sides of a triangle are unequal, the greater side has the greater angle opposite to it, and the converse.

Of all the straight lines that can be drawn to a given straight line from a given point outside it, the perpendicular is the shortest.

The opposite sides and angles of a parallelogram are equal, each diagonal bisects the parallelogram and the diagonals bisect one another.

If there are three or more parallel straight lines and the intercepts made by them on any straight line that cuts them are equal, then the corresponding intercepts on any other straight line that cuts them are also equal.

Areas.

Parallelograms on the same or equal bases and of the same altitude are equal in area.

Triangles on the same or equal bases and of the same altitude are equal in area.

Equal triangles on the same or equal bases are of the same altitude.

Illustrations and explanations of the geometrical theorems corresponding to the following algebraical identities :—

$k(a + b + c + ..) = ka + kb + kc + ..$

$(a + b)^2 = a^2 + 2ab + b^2.$

$(a - b)^2 = a^2 - 2ab + b^2.$

$a^2 - b^2 = (a + b)(a - b).$

The square on a side of a triangle is greater than, equal to, or less than the sum of the squares on the other two sides according as the angle contained by these sides is obtuse, right or acute. The difference in the case of inequality is twice the rectangle contained by one of the two sides and the projection on it of the other.

In any triangle the sum of the squares on two sides is equal to twice the square on half the base together with twice the square on the median which bisects the base.

Loci.

The locus of a point which is equidistant from two fixed points is the perpendicular bisector of the straight line joining the two fixed points.

The locus of a point which is equidistant from two intersecting straight lines consists of the pair of straight lines which bisect the angles between the two given lines.

The circle.

A straight line drawn from the centre of a circle to bisect a chord which is not the diameter is at right-angles to the chord ; conversely, the perpendicular to a chord from the centre bisects the chord.

There is one circle and one only which passes through three given points not in a straight line.

In equal circles (or in the same circle), (i) if two arcs subtend equal angles at the centres, they are equal ; (ii) conversely if two arcs are equal, they subtend equal angles at the centre.

In equal circles (or in the same circle), (i) if two chords are equal, they cut off equal arcs ; (ii) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords in a circle are equidistant from the centre ; and the converse.

The tangents at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the centres.

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal, and if the line joining two points subtends equal angles at two other points on the same sides of it, the four points lie on a circle.

The angle in a semi-circle is a right-angle, the angle in a segment greater than a semi-circle is less than a right-angle, and the angle in a segment less than a semi-circle is greater than a right-angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary ; and the converse.

If a straight line touch a circle and from the point of contact a chord be drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle intersect either inside or outside the circle, the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

The following books are suggested :—

For *Algebra*—

1. Ross : Elementary Algebra, Part I (Longmans, Green & Co.).
2. Baker and Bourne : Elementary Algebra. Part I (G. Bell & Sons).
3. H. S. Hall : School Algebra, Parts I and II (Macmillan & Co.),

In *Geometry*—

1. Hall and Stevens : A Shorter School Geometry, Parts I and II (Macmillan & Co.).
2. Parkinson and Pressland : A Primer of Geometry (Clarendon Press, Oxford) (Indian edition). Re. 1-12.
3. Pierpoint's Elements of Geometry.

III.—HISTORY.

There will be two papers, each of three hours :—

(i) Indian History and Allied Geography, and

(ii) English History and Allied Geography.

Indian History.

Indian History in outline from the earliest time to the present day.

The following syllabus is suggested :—

I.—The influence of Geography on Indian History.

II.—Ancient India—

A.—Vedic period till 600 B.C.—

1. The Dravidians.
2. The Aryan immigration.
3. Character of culture—
   (*a*) Vedic religion—outline.
   (*b*) Vedic society—caste, woman.
   (*c*) Literature—Veda (Brahman, Upanishad, Smriti).

B.—Buddhist period, 600—180 B.C.—

1. Life and teaching of Buddha.
2. Mauryas, Asoka.
3. Culture—
   (*a*) Dharma.
   (*b*) Government.

C.—Hindu period, 180 B.C.—650 A.D.—

1. Sungas, Kanvas, Andhras.
2. Yuechis, Kushanas, Kanishka.
3. Guptas—Samudragupta, Chandragupta, Vikaramaditya.
4. Harsha.
5. Culture—
   (*a*) Religion—Puranas, Epic (toleration).
   (*b*) Literature—Kalidasa.
   (*c*) Art—Ajanta, Amaravati.

D.—Rajput period, 650 A.D.—1200 A.D.—

1. The origin of Rajputs.
2. Rajput Kingdoms, Chauhans, Chandels, Gaharwar (Rathor).

3. The South—Pandyas, Pawars, Cholas and Keralas.
4. The Deccan—Yadavas, Chalukyas, Rashtrakutas.

III.—Medieval India—

A.—Early medieval—

1. Life and teaching of Muhammad.
2. The Arab expansion.
3. The Turks and their kingdoms.
4. Turkish invasions—
   (*a*) Mahmud of Ghazni.
   (*b*) Muhammad Shahab-ud-din Ghori.
   (*c*) The Slave kings—Balban and Mongol invasions.
   (*d*) The Khiljis, Ala-ud-din and conquest of the south.
   (*e*) The Tughlaks—Muhammad and Firoz—break up of early medieval empire.
   (*f*) Provincial principalities and invasions of Timur.
   (*g*) The Hindu Kingdoms of the south.
   (*h*) Culture.

Religion—Kabir.

Literature—Growth of Modern Indian Languages.

B.—Later medieval—

(*a*) 1. Syyads and Lodis—Dissensions.
2. Babar and Humayun—Conquest and failure.
3. Sher Shah.
4. Akbar—Conquest and Consolidation.
5. Jahangir, Shahjahan—Prosperity.
6. Aurangzeb—
   Religious quarrels.
   Conquest of the south.
7. Successors of Aurangzeb.
   Decay of Empire.

(*b*) Mahrattas—Shivaji—The struggle with the Mughals—The Peshwas up to 1761.

(*c*) Sikhs—Nanak and Guru Govind Singh.

(*d*) Early European settlements, 1600—1708.

1. Portuguese—Discovery of the route from Europe to India.

2. Dutch—Settlement in the Spice archipelago.

3. English—Embassies to Mughal emperors and establishment of factories.

4. French—Establishment of factories.

(*e*) Culture—

Religions, Bhakti movement.

Art—Taj.

Literature 1. Hindi —Tulsidasa, Surdasa, Rahim, Malik Muhammad Jaisi.

2. Urdu.

IV.—Modern India.

A.—1. Struggle between the empire and the Mahrattas.

2. Break-up of the empire and the establishment of Subedars.

3. Sikhs—Ranjit Singh.

4. Mahratta and other Indian States.

B.—1. Struggle of the European Powers. The French and the British (1700—1763).

2. Struggle between the English and Indian princes (1756—1774). Conquest of Bengal.

C.—British rule, 1774—1857—

1. Warren Hastings—

(i) Regulating Act.

(ii) Internal difficulties.

(*iii*) Wars with the Indian rulers.

2. Cornwallis—

(i) The permanent settlement.

(ii) Wars with Indian rulers.

3. Wellesley—
   (i) The subsidiary alliance system.
   (ii) The French rivalry.
   (iii) Wars and expansions of British territory.
4. Minto—
   Embassies to Asiatic Powers.
5. Hastings—Nepal war, Mahratta wars.
6. Bentinck—Reforms.
7. Auckland and Ellenborough—Afghan wars.
8. Hardinge—Punjab war.
9. Dalhousie—Completion of dominions.

D.—British rule, 1857—1919—

(*a*) Wars and expansions—
1. Afghanistan.
2. Burma.

(*b*) Internal developments—
1. Constitutional, 1861, 1892, 1909, 1919.
2. Local Self-Government.
3. Education.
4. Justice.
5. Administration.

(*c*) National movements—
1. Hindu reforms.
2. Muslim reforms.
3. Growth of Nationalism, Indian National Congress.

The following books indicating the scope and standard of knowledge required are recommended :—

1. V. A. Smith : Oxford Student's History of India (Clarendon Press, Oxford). Rs. 2.

2. R. D. Banerji : History of India (The Book Co., College Square, Calcutta).

3. Thompson : History of India (Christian Literature Society, Madras).

4 Har Prasad Shastri : History of India (Blackie).

5. Hoernle and Stark : A History of India (Orissa Mission Press, Cuttack).

6. E. B. Havell : A short History of India (Macmillan and Co.).

7. Student's Atlas of Indian History (Macmillan).

8. Manmatha Nath Rai : History of India in Urdu and Hindi, second edition (Nand Kishor and Bros., Benares).

9. Ishwari Prasad : Students' History of India in Hindi and Urdu, second edition (The Indian Press, Allahabad).

10. B. N. Mehta : A Handbook of Indian History in Hindi (University Book Dépôt, Agra).

11. Garrett, Manmohan and Sohan Lal : Historical Atlas in Urdu (Rai Sahib Gulab Singh and Sons, Lahore.)

English History.

English History in outline from 1485 *A. D. to* 1914 *A. D.*

The following syllabus is suggested :—

I.—The influence of Geography on English History.

II.—History of England 1485—1688—

A.—Introductory to 1485—

(*a*) Growth of Parliament.

(*b*) Evolution of commerce and industry.

(*c*) Social changes.

(*d*) Relations with European countries, especially France.

B.—Tudors, 1485—1603—

(1) Monarchy and Parliament.

(2) Religious evolution.

(3) Growth of commerce.

(4) Discoveries and beginning of colonial and sea power.

(5) Relations with European Powers.

C.—Early Stuarts, 1603—1649—

(1) Monarchy and Parliament.

(2) Religion—Puritans and Anglicans.

(3) Commercial and Colonial expansion.

(4) Civil War.

D.—The Commonwealth, 1649—1660—

(1) Cromwell—

(*a*) Scotland and Ireland.

(*b*) European Powers, navigation laws.

(*c*) Religion—Growth of Puritans.

(*d*) Parliament.

E.—Latter Stuarts, 1660—1688—

(1) Parliament—

(*a*) Parties.

(*b*) Cabinet.

(2) Relations with European Powers—France and Holland.

(3) Colonial and Commercial expansion.

III.—Constitutional Government, 1688—1914—

A.—William and Mary and Anne, 1688—1714—

(1) Bill of Rights.

(2) Parliament—

(*a*) Whigs and Tories.

(*b*) Cabinet.

(3) Affairs of Ireland.

(4) Relations with European Powers and growth of Colonial Powers.

B.—Early Hanoverians, 1714—1763—

(1) Walpole, Pitt.

(2) European wars.

(3) Colonial expansion.

C.—Latter Hanoverians, 1763—1830—

(1) Industrial Revolution.

(2) American Revolution.

(3) French Revolution, Wars with France

(4) Ireland—Union.

D.—Rise of Democracy—

(1) 1830—1885—

(1) Reform 1830, 1867, 1885, 1918.

(2) Relation with Europe—
Crimean War, England and Russia.

(3) Imperial development.

(2) 1885—1914—

(1) England and Russia.
,, ,, Germany.
,, ,, Empire.

(2) Ireland.

(3) Internal developments—

(*a*) Parliament.

(*b*) Commercial and industry.

N.B.—*Students are expected to have a knowledge of "Representation of the People Act*, 1918."

The following books indicating the scope and standard of knowledge required are recommended :—

1. S. R. Gardiner : A School Atlas of English History (Longmans, Green & Co.).

2. Ed. J. S. Lay : The English People (Macmillan).

3. Oman : Junior History of England (Arnold).

4. S. R. Gardiner : Outline of English History (Longmans, Green & Co.)

5. T. F. Tout : A History of Great Britain, Book II (Longmans, Green & Co.).

6 Kerr and Rushbrook Williams : Growth of the British Empire (Longmans, Green & Co.).

7. Macmillan's Atlas of the British Empire.

8. Guest, G : Outlines of British History (Oxford University Press, 1922). 2*s* 6*d*.

9. Pupils' Study Book of English History by J. T. Mulley, Books II, III, and IV (by E. J. Arnold & Sons).

10. Raghu Kul Tilak : History of Modern England, Urdu and Hindi (Indian Press, Allahabad).

11. S. D. Tripathi Shastri : History of the English People, Urdu and Hindi (Macmillan & Co.).

12. Ram Krishna Mathur : A Handbook of English History, available in one volume (Hindi and Urdu versions). (S. S. Mathur, Anand Pustakalaya, Cawnpore).

13. Shiva Chandra Kapoor : History of England (Urdu and Hindi), (Nandkishore Bros., Benares).

14. Pran Nath Vidyalankar : History of England (Hindi), (Ganga Pustakmala Karyalaya, Lucknow).

15. J. Nelson Fraser : A first History of England (English), (K. & J. Cooper, Educational Publishers, Bombay).

16. Brij Mohan Sharma : History of England (Urdu), (Newal Kishore Press, Lucknow).

or

Geography.

There will be two papers, each of three hours' duration, as follows :—

Paper I.—General Geography of the World outside of India. (Sections I and II of the syllabus.)

Paper II.—India and its world relations. (Section III of the syllabus.)

Syllabus.

I. (*a*) Shape of the Earth ; rotation and revolution ; duration of day and night ; the seasons. Latitude and longitude.

(*b*) Practical exercises based on simple contour maps. Outlines of the relief and drainage of the lands and study of the chief land-forms.

(*c*) The atmosphere. Study and measurement of temperature, pressure and rainfall as factors of weather. Climate. Seasonal distribution over the globe of temperature pressure and rainfall ; study of wind-belts Ferrel's Law, Buys Ballots' Law, cyclones and anticyclones. Types of climate.

II. (*a*) The world treated according to its major natural regions. The knowledge of the principles of physical geography and of the geographical distributions should be applied to the study *in outline* of the major natural regions of the world.

(*b*) The influence of his environment on man, his activities, his industries ; exchange of commodities ; communications ; growth of towns.

III. Geography of India in fuller detail. Its relations, physical aud climatic, with contiguous areas ; its commercial relations with the world in general.

Books recommended :—

Morrison : Our World (Macmillan), Rs. 2-8.

Stamp : The World (Longmans). Rs. 3.

Morrison : Junior Geography of India (Nelson). 12 annas.

Unstead and Taylor : Essentials of World Geography (Philip). 2*s*.

Fairgrieve and Young : The World (Philip). 2*s*. 6*d*. (For general reading).

Wallis : Practical Exercises in Geography (Macmillan). 1*s*.

Fairgrieve and Young : Junior Contour Exercise Book, Philip. 9*d*.

Stamp : Geographical Exercise Books for India. Part I. (Longmans). 9*s*.

Bartholomew : Indian School Atlas (Oxford). Rs. 1-6-0.

Visual Contour Atlas (Philip). 1*s.* 4*d.*

Books of reference for teachers : —

Brooks : The World (London University Press). 7*s.* 6*d.*

Herbertson (F. D.) : Clarendon Geographies. Vols. I and II. 4*s.* each.

Chisholm : Smaller Commercial Geography (Longmans) 5*s.*

Lyde : Man and His Markets (Macmillan). 3*s.*

Herbertson : Man and His Work (Black). 1*s.* 6*d.*

Davis : Elementary Physical Geography. (Ginn). 5*s.* 6*d.*

Skeat : Principles of Geography. (Oxford). 5*s.* 6*d.*

Mill : The Realm of Nature (Murray). 5*s.*

Mackay : The Oxford Picture Geographies (Oxford). 2*s.* 6*d.* each.

Lands and their Stories. Books I to VII (Blackie).

Peeps at Many Lands (Black). 2*s.* 10*d.* each.

IV.—MODERN INDIAN LANGUAGES.

There will be two papers, each of three hours, in each of these languages—one paper will be set in Prose Text and Unseen, and the other in Poetry Text and Composition. Grammatical questions will be set in both the papers. The ability of the Urdu candidates to read *Shikast* will be tested by means of a paper set for the purpose.

The following are the text-books prescribed :—

Hindi.

Poetry :—1. प्रवेशिका—पद्यावली, Part I (published by the Nagari Pracharini Sabha, Benares).

2. मैथिली—विजय by Siya Ram Sharan Gupta (Sahitya Sadan, Chirgaon, Jhansi).

Prose :—Hindi prose selections by Professor Shyam Sundar Das (Indian Press, Allahabad).

Special attention should be paid to Hindi Composition. The following books are recommended for Grammar and Composition :—

1. रचना प्रबोध by Ram Ratna (Ratnasram, Agra).

2. संक्षिप्त हिन्दी व्याकरण by Kamta Prasad Guru (Nagari Pracharini Sabha, Benares).

3. High School Hindi Vyakaran, by Ganga Prasad. (Rai Sahib Ram Dayal Agarwala, Allahabad).

Books recommended for supplementary reading :—

1.	Harischandra ..	" Satya Harischandra " (Nagari Pracharini Sabha, Benares).
2.	Lakshman Singh	" Shakuntala Natak " (Prose edition), (Indian Press, Ltd., Allahabad).
3.	Gadadhar Singh	" Kadambari " (Indian Press, Ltd., Allahabad).
4.	Ganga Prasad ..	Hindi Prose Selection (Publisher, Indian Press, Allahabad.)
5.	Ayodhya Nath..	" Ujjawal Tare " (Indian Press, Allahabad).
6.	Mishra Bandhu	" Purva Bharata " (Ganga Pustakamala, Lucknow.)
7.	Shridhar Pathak	" Shrant Pathik " (Padmakot, Allahabad).
8.	Jagannath Das	" Harishchandra " (Publisher, N. P. Sabha).
9.	Deshvrat ..	" Hindu Jati ka Swatantrya Prem " (Publisher, Gandhi Hindi Pustak Bhandar, Allahabad).

10.	Chandra Shekhar Shastri	"Viropakhyan" (Publisher, Sahitya Bhawan, Limited, Allahabad).

N.B.—Students are not expected to read more than two books recommended for supplementary reading in the above list.

Urdu.

1. قند اُردو by Jalaluddin Ahmad (Anwar Ahmadi Press, Allahabad), (latest edition),

or

Khyaban Urdu (Indian Publishing House, Allahabad).

2. Nisab-i-Jadid, by Maulvi Mahdi Husain Nasirī (Anwar-i-Ahmadi Press, Allahabad).

3. Qawaid Urdu, by Jamaluddin Haidar (Rai Sahib Ram Dayal Agarwala, Allahabad),

or

اساس اُردو by Jalaluddin (Anwar Ahmadi Press, Allahabad).

For *Shikasht* the book recommended is—

Majmua-i-Khatt-i-Shikast, by M. A. Siddiqui (Indian Publishing House, Allahabad).

Bengali.

1. Rajani (Novel), by Bankim Chandra Chatterji.

2. Katha O Kahini, by Rabindra Nath Tagore (Poetry).

3. Bhasha Bodh Vyakaran, by Nakuleshwara Vidyabhushan. Re. 1 (recommended).

Marathi.

1. Keshavsut—Yancha—Kavita Sangraha wa Charitra (published by Sita Ram Keshava Damle and printed by the Chitrashala Press, Poona city). Price Re. 1-8.

2. Gad Ala Pan Sinha Gela, by Hari Narain Apte (Arya Bhushan Press, Poona city). Price annas 8.

3. Swami Vivekanandachin Patren (Manoranjak Granth Prasarak Mandali, Bombay). Price, annas 4.

Grammar.—R. B. Joshi's Marathi Grammar "Praudhabodha."

Recommended for the use of teachers—

Marathi Grammar, by M. K. Damle (Indraprakash Press, Bombay).

Gujarati.

Paper I, Prose.—Bālavilās, by M. N. Dwivedi (N. M. Tripathi, Kalbadevi Road, Bombay).

Paper II, Poetry.—Sudama Charitra, by Premānand (edited by Manjulal Ranchhodlal Majumdar, Baroda).

For Grammar the following book is recommended :—

Madyama Gujarati Vyākarana, by K. P. Trivedi (N. M. Tripathi, Bombay).

B.—OPTIONAL SUBJECTS.

I.—CLASSICAL LANGUAGES.

There will be two papers, each of three hours, in each of these languages—the first paper will be in the Prescribed Texts and Grammar, and the second paper in Translation, Composition and Unseen.

SYLLABUS.

(*a*) Sanskrit.

Paper I—(a) Text-books.

1. Sanskrit Pathāvali, by Babu Ram Saksena, (National Press, Allahabad), of which the following selections are prescribed :—

Numbers 1, 2, 4, 5, 7, 9, 10, 12, 13, 16, 17, 19, and 21 of part I and nos. 1, 3, 7, 8, 10, 13, 14, 16, 17, 18 and 20 of part II.

2. काकोलूकीयम् (Kakolukiyam) as adopted in the High School Sanskrit selections, by S. S. Sastry.

NOTE.—The students should be taught to understand the passages with context and the substance, and to learn the analysis of compounds, sandhis and the prose order of the poetry pieces.

(*b*) *Grammar.*—Simple sandhis. Declension of nouns and pronouns of frequent occurrence. Conjugation of verbs of frequent occurrence in all classes.

NOTE.—Questions on Grammar exclusively should be asked from the prescribed books as far as possible, and should carry about one-third of the total marks.

Books recommended for Grammar :—

1. First and Second Book of Sanskrit, by Bhandarkar.

2. R. K. Banerjee's Sanskrit Grammar.

3. Sanskrit Teacher, by K. P. Trivedi.

4. Sanskrit Prathama Pustaka, by Professor Ram Bihari Lal, D. A.-V. College, Cawnpore.

5. Upakramanika, Printed by Khadgavilas Press, Bankipore.

6. Vigyan Dipika, by Pandit Sadashiva Shastri.

7. Sanskrit Vyakarana Bodha, by Pandit Kanhaiya Lal Shastri (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidate ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Sanskrit ; and (*c*) translation of easy English prose sentences into Sanskrit.

Books recommended for rapid reading and for composition :—

(1) Kusuma-mala, Part I, by V. S. Apte. (N. M. Tripathi, Bombay).

(2) राम कथा मञ्जरी compiled by Sant Gokal Chand Shastri (Ram Narain Lal, Allahabad).

(3) A Manual of Sanskrit Composition, by Lalleram Tewari (National Press, Allahabad).

(4) प्रवेशिका संस्कृत रचनानुवाद शिक्षा by महामहोपाध्याय पण्डित रघुनन्दन त्रिपाठा साहित्याचार्य ।

N.B.—Sanskrit must be written in Devanagri character.

(*b*) Arabic.

Prescribed course—

Paper I.—(*a*) *Text* مرقاۃ الادب compiled by Zafar Iqbal, M.A., B.T., Lecturer, Central Training College, Lahore(Atar Chand Kapoor and Sons, Anar Kali, Lahore).

(*b*) *Grammar.*—Mabadi-ul Arabia مبادی العربیہ by Shartuni, Urdu edition [edited by Maulvi Izzat Ullah (the Majidi Press, Cawnpore).]

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into Urdu ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Arabic ; and (*c*) translation of easy English prose sentences into Arabic.

Book recommended for rapid reading—

مدارج القراۃ (Anwar Ahmadi Press, Allahabad).

NOTE.—Arabic words must be written in Arabic character.

(*c*) Persian.

Prescribed course—

Paper I.—(*a*) *Text* :—

Prose.

1. Gulistan سبب تالیف کتاب Chapter I up to story 48 and Chapter IV up to story 12.

2. تحفهٔ عالم by Abdul Latif Shustari احوال اِنگلستان pages 291—306.

3. Anwar Suhaili انوار سهیلي by ملا حسین واعظ کاشفي Chapter I up to جان من خود کردهٔ خود کرده را تدبیر نیست

Poetry.

1. Bostan بوستان Chapter I, first 48 stories ; Chapter II, first 35 stories ; Chapter VI, Introduction ; Chapter VII, first 5 stories ; Chapter VIII, first 4 stories ; Chapter IX, first 4 stories ; Chapter X مناجات only.

2. Aiynai Sikandari, by Khusru خسرو

1. Ode طرب نامهٔ زندگاني بود up to گر آسایشے خواهي از روزگار

2. Ode اگر دانشے داري اے نیک راے up to
که خواهد شدن منزل دیگرے

3. رباعیات عمر خیام beginning with the following lines :—

(۱) عشاق بدرگهت اسیرند بیا
(۲) مرد آن نبود که خلق خوارند او را
(۳) حرم بتو داشتم دل پُر غم را
(۴) عاقل بچه اُمید دریں شوم سراے
(۵) اے خواجه یکے کام روا کن مارا
(۶) اے دل ز زمانه رسم احسان مطلب
(۷) چوں کار نه بر مراد ما خواهد رفت
(۸) هر کو ورقے ز عقل دو دل بنگاشت
(۹) امروز ترا دسترس فردا نیست
(۱۰) سر از همه ناکسان نهاں باید داشت
(۱۱) هر دل که درو مهر و محبت بسرشت
(۱۲) هرگه که غمے ملازم دل شودت
(۱۳) درچشم محققان چه زیباؤ چه زشت
(۱۴) بسیار بگشتیم بگرد درو دشت ـ اندر همه الخ
(۱۵) ایضا یک کار من الخ
(۱۶) هر سبزه که برکنار جوئے رستست

(۱۷) آں بہ کہ دریں کم گیہي دوست
(۱۸) چندیں غم مال و حسرت دنیا چیست
(۱۹) چوں مردن تو مردن یکبارگي است
(۲۰) ہشدار کہ روزگار شورانگیز است
(۲۱) بادشمن و دوست فعل نیکو نیکوست
(۲۲) اے دل چو نصیب تو ہمہ خون شدنست
(۲۳) بتخانۂ و کعبہ خانۂ بندگي است
(۲۴) گل گفت بہ از لقاے من روے نیست

(*b*) *Grammar.*— زبدۃالقواعد by قدرت‌اللہ بیگ راں (Oriental Publishing House, Lucknow), or تہذیب‌القواعد by S. Zafar Husain (Rai Sahib Ram Dayal Agarwala, Allahabad.)

(Only etymology and syntax should be taught to the High School classes.)

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into Urdu ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Persian ; and (*c*) translation of easy English prose sentenced into Persian.

Books recommended for rapid reading :—

انتخاب جدید فارسی by قدرت‌اللہ بیگ راں (Oriental Publishing House, Lucknow.)

2. عیار دانش

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Paper I.—(*a*) Prescribed Prose and Poetry.

Text-books—

1. Caesar : De Bello Gallico, Book IV.

2. Livy : Hannibalian War, Selections Books XXIII and XXIV (Macmillan).

3. Virgil : Aeneid, Books II and IV.

(*b*) *Grammar.*—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidates ; (*b*) composition will include translation into Latin of easy English sentences and also of a simple passage of continuous English Prose.

Book prescribed—

Junior Latin Composition by J. Mathewson Milne (Harrap & Co.).

II.—COMMERCE.

The examination will consist of two papers each of three hours : (*a*) one paper on Business or Commercial Practice and (*b*) one paper on either (i) Typewriting or (ii) Book-keeping.

The following is the syllabus in each subject :—

Business or Commercial Practice.

Office routine. Drafting simple business and official letters ; preparation of telegrams and cablegrams, including a knowledge of simple codes. Docketing, filing, copying and despatch of letters. Ordinary postal regu-

lations, use of postal forms such as Money Order, V.-P.P., Acknowledgment, Registration and Insurance forms. Post Office Savings Bank Accounts. Telephone. Simple duplicating and other labour-saving appliances.

Meaning of ordinary commercial terms and abbreviations. Preparation of simple commercial documents such as indents, invoices, bills of exchange, promissory notes, statements of account. Nature and use of Bills of Lading, and railway receipts. Simple banking transaction, involving the nature and use of cheques, deposit slips and pass books.

Books recommended :—

1. Extracts from Business Methods and Correspondence, by Arthur Fieldhouse.

2. Commercial Practice by Roop Ram Gupta and K. L. Govil, Part I (Messrs. Gautama Bros. & Co., Cawnpore).

Typewriting.

There will be no practical examination on the typewriter, but only a theory paper of two hours' duration involving questions on—

*(*a*) the mechanical construction of the typewriter ;

(*b*) care of the machine ;

(*c*) display of matter, including headings and titles ; centering ; contractions and abbreviations ; hyphenation ; punctuation ; stencil cutting ; adaptation of one or more characters to represent characters not given on the keyboard ; corrections ; erasures.

* Questions on the mechanism of the typewriter will be of a general nature, so that students who are acquainted with the mechanism of any of the more popular typewriting machines will be able to answer the questions (*vide* G. L. no. B-2773/VI—3, dated September 15, 1924, from the Secretary of the Board).

There will also be a second paper of one hour's duration, consisting of type-copying of three manuscripts.

Book recommended—

Pitman's or Remington's Typewriting Manual.

Book-keeping.

Elementary theory of double entry book-keeping. Preparation and keeping of the Cash Book, Bought and Sold Books, Returns Books, Bills Receivable and Bills Payable Books, Journal and Ledger; recording therein simple transactions involving purchases and sales; bills receivable and payable, real, personal, and nominal accounts, such as rent, salaries, interest, discounts, bad debts, and depreciation. Drawing up the Trial Balance. Closing the Ledger, and preparing Trading and Profit and Loss Accounts and Balance Sheet. Simple banking transactions involving the nature and use of cheques, deposit slips and pass book, and preparation of Bank Reconciliation Statements. The nature and use of Bills of Exchange and Promissory Notes. Petty Cash and Imprest Systems.

Book recommended—

Elementary Book-keeping, by Arthur Fieldhouse (Simpkin, Marshall & Co., Limited, London, E. C., 4.)

III.—SCIENCE (PHYSICS AND CHEMISTRY).

The examination will consist of two papers—one in Physics and one in Chemistry, each of three hours.

Physics.

SYLLABUS.

Definition of Physics, measurements of length, area, volume, mass, and weight. The balance. Density, specific gravity. Principle of Archimedes. The three states of matter. Pressure of air, simple barometer.

Heat.—Expansion of solids, liquids, and gases, temperature, thermometers, melting and boiling points, conduction, convection and radiation. Unit of heat, specific heat, change of state, latent heat. Easy calculations.

Light.—Rectilineal propagation of light. Reflection, refraction, plane, concave, convex mirrors, concave and convex lenses and prisms. Position of object and image with easy calculations. Dispersion.

Magnetism.—Attraction and repulsion, magnetization, terrestrial magnetism, magnetic meridian. The compass.

Electricity.—Electrification by friction. Properties of a charged body. Conductors and insulators. The electroscope. Induction. The electrophorus. A simple cell, simple forms of primary cells, arrangement of cells in series and parallel, magnetic, and heating effect of a current. The simple galvanoscope, simple explanation of the telegraph, the electric bell, electric light.

Practical work.

The following list of experiments indicates the minimum amount of practical work required to be performed by students. Other experiments of equal educational value may be substituted. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments, and demonstrations are to be considered an essential part of the teacher's work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognized in Science (*vide* G. L. no. B/3149—3300/V—36, dated December 21, 1925, from the Secretary of the Board).

General.—Determination of the relative density of—

(*a*) bodies which float in water,

(*b*) bodies which sink in water,

(*c*) liquids.

Use of the callipers.

Determination of the radius of a wire by Archimedes' Principle.

Determination of the internal radius of a narrow tube.

Light.—Reflection at a plane mirror.

Focal length of a concave mirror.

Refraction through a prism.

Refractive index of glass and water.

Focal length of a convex lens.

Heat.—Cooling curve of water and wax or naphthalene.

Determination of the water equivalent of a calorimeter.

Determination of Specific Heat.

Determination of the Latent Heat of Ice.

Determination of the Latent Heat of Steam.

Magnetism.—Mapping out lines of force by a small magnet.

Determination of the direction of the Magnetic meridian.

Electricity.—Charging an electroscope by Conduction and Induction.

The magnetic effect of a current on a magnetic needle.

The electro-magnet.

The following books on Physics are recommended for teachers' reference library :—

1. Everyday Physics, by H. E. Hadley. (Macmillan & Co.). Rs. 4, *or*

An Introduction to Physical Science, by Ivor B. Hart. (Oxford University Press.) Rs. 2.

2. A Class Book of Physics, by R. A. Gregory and H. E. Hadley. (Macmillan & Co.). Rs. 3-12.
3. A Course of Physics, by Charles H. Draper. (Blackie & Sons.) Rs. 3-12.
4. An Elementary Physics, by K. C. Bhattacharya. (Indian Press, Allahabad.) Rs. 2.

Chemistry.

Definition of Chemistry.

Common properties of matter : hardness, porosity, brittleness, solid, liquid and gaseous states. Change of state. Melting and boiling points.

Crystalline shape, effect of heat on common things.

Solution in water. The above to be studied with NaCl, KNO_3, $CaCO_3$, Na_2CO_3, $CuSO_4\,5H_2O$, $FeSO_4\,7H_2O$, ZnSO ,7HO. Fe, Zn, Sn, Mg, Pb. Hg. P, S, Shellac and linseed oil.

Solution, melting, evaporation, distillation, filtration, solution in water and alcohol. Water of crystallization. Slow and rapid evaporation, saturated solutions. Crystallization studied from solutions in water and of melted sulphur. Distillation of water, mixtures, immiscible liquids. Elementary and compound substances. Non-metals and metals. Chemical symbols. Chemical action, the laws of definite proportion, atoms, molecules, atomic and molecular weights, valency, relation between equivalent and atomic weights. Simple formulæ and equations.

Study of air—Rusting of metals, oxidation, active and inactive gases in air. Burning of phosphorus. Meaning of combustion, slow and rapid combustion studied with iron, magnesium, and phosphorus.

Oxygen gas ; prepared from oxide of mercury, and potassium chlorate. Important properties of oxygen gas.

Acidic and basic oxides, acids, bases and salts.

Preparation and properties of the following :—

Hydrogen, Nitrogen, Ammonia, Chlorine, Hydrochloric acid, Nitric acid, Carbon dioxide.

Carbon—Properties and varieties.

Action of carbon dioxide on animal and plant life.

Sulphur—Properties and varieties.

Preparation and properties of sulphur dioxide and sulphuric acid, their preparation treated in a very elementary manner—sulphur dioxide by burning sulphur in air and by the action of hydrochloric acid on calcium sulphite and sulphuric acid by the action of nitric acid on sulphur dioxide and water.

Study of Water—Action of steam on red-hot iron filings.

Action of Sodium on water. Action of magnesium on steam. Electrolysis of water.

NOTES.—1. The detailed course given below indicates the minimum amount of practical work required to be performed by students and suggests a method of treatment of the syllabus for the guidance of teachers. They may substitute other experiments of equal educational value. Practical work should be co-ordinated with the theoretical work and follow it consecutively, as far as possible. The practical experiment should be performed individually so far as can be arranged.

2. A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory of each school recognized in Science (*vide* G. L. no. B/3149—3300/B—36, dated December 21, 1925, from the Secretary of the Board.)

The use of stencils in answering papers in Science is not allowed.

(*Classes* IX *and* X.)

Classes IX and X will have 6 periods of Science per week—for at least 27 working weeks ; this gives a total of 162 periods in class IX :—

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
Chemistry	Effect of dissolved substances on boiling point.	To find B. P. of solutions of calcium chloride. Solution of different strengths.
	Distillation. Purification of water.	To bend tubes, bore corks, set up apparatus for distillation and find B. P. before and after distillation.
	Elements and compounds.	To examine the elements—sulphur, copper, lead, mercury, zinc. To examine the compounds,—ferrous sulphate, copper sulphate, lead oxide mercury oxide and regain the elements, where possible.
	Metals and non-metals, properties :—	
	The atmosphere. Combustion, active and inactive air.	Burning a candle in a bell jar. Repeat with sulphur, phosphorus. To measure the proportion of air used up when a substance burns in air.
	Rusting ..	To show iron will not rust in dry air. To measure the air used up when iron rusts in air.
	Increase in mass in rusting and burning.	To show increase in mass when magnesium and iron burn in air and when iron rusts in air—when a candle burns in air.
	Explanation of above Introduction of terms " Oxygen " and " Nitrogen."	
	Oxygen ..	Preparation from mercuric oxide and potasium chlorate in small quantities and on large scale from manganese dioxide and potassium chlorate, its properties. To show loss in mass when potassium chlorate is heated.
	Metals and non-metals. *Oxides.*	Their basic and acidic properties.
	Nitrogen. Its use in the atmosphere.	Properties, to find accurately percentage of nitrogen in air by pyrogallic acid (Lecture room).

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
	Water not an element.	Action of sodium on water. Action of magnesium on boiling water. Action of steam on iron. Examination of oxide of iron formed. Increase in mass. Comparison with iron rust.
	Résumé of above. Introduction of term "Hydrogen."	
	Preparation of hydrogen and its properties.	From zinc and sulphuric acid.
		What happens to the zinc. What happens when hydrogen burns in air. Explosion of hydrogen with air.
		Electrolysis of water and its composition by volume. Action of hydrogen on copper oxide when heated. (Lecture room).
	Carbon ..	Properties and varieties.
	Demonstration lesson.	Formation when carbon or carbonaceous matter burns in air.
	Carbonic acid gas. Chalk.	Effects of acids on chalk. Examination of the gas, properties of gas obtained by the effect of strongly heating chalk. Examination of lime, difference between properties of chalk and lime, loss in mass on heating chalk.
	Résumé of above. Animal and plant life.	Formation of oxygen by plants.
	Chlorine gas ..	Preparation from manganese dioxide and hydrochloric acid. Its properties.
	Hydrochloric acid gas.	Preparation from sodium chloride and sulphuric acid. Its properties.
	Ammonia gas ..	Preparation from ammonium chloride and quicklime. Its properties.
	Sulphur ..	Effect of heat.

NOTE.—In class X time is left for revising the whole course in preparation for the High School Examination.

The books *recommended* for use in Chemistry are—

1. Chemistry for Indian Schools for Standards IX and X, by E. G. Hill, Professor of Chemistry, Muir Central College, Allahabad (*Indian Press, Allahabad*). Re. 1.

2. Physics and Chemistry for Secondary Schools in India, Parts III and IV in one volume (*Macmillan & Co.*) 1918. Re. 1-8.

3. An Elementary Chemistry for Indian Schools, Parts I and II, by K. C. Bhattacharya, M.SC., L.T. (*Indian Press, Limited, Allahabad.*) Price, Rs. 2.

4. Wilson and Headley : Chemistry for Schools. (*Oxford University Press.*) Rs. 2.

* Books *recommended* for the use of teachers in Chemistry—

1. Practical Chemistry, volumes 1 and 2, for Standard VII of High Schools in the Bombay Presidency, by H. E. H. Pratt, 6 annas. — *Oxford University Press, Bombay.*

2. Holmyard's Elementary Chemistry, published by Arnold.

3. Gregory and Hodges : Experimental Science for Indian Schools (Macmillan).

4. K. Kumar : Chemistry for classes IX and X (Bhargava, Chandausi).

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* In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

IV.—AGRICULTURE.

The examination will consist of two papers of three hours each.

The first paper will be on the subject-matter in the syllabus up to and including sub-section (5) Tillage; and the second paper on the remaining portion.

SYLLABUS.

(1) *Climatology.*—Weather and seasons in the country and in the provinces.

(2) *Soils.*—Soil-forming processes; Weathering, Solution. Plants and animal agencies.

Classification of soils.—Local classification—Clayey, Loam, Sandy, Concretionary. Saline, Silt, Goind, Ahar, Uparhar.

Mechanical analysis of soils.—Determination of Stones, Gravels, Moisture, Humus, Sand, and Clay.

Texture of soils.—Arrangement of particles of soil; Specific gravity; Pore space; Surfaces exposed; Number of particles in a unit volume; Plasticity, Cohesion, Forces of facilitating granulation.

Organic matter in the soils.—Its sources and distribution. Decrease of organic matter. Estimation of organic matter. Its effect on soil. Its maintenance.

Soil water.—Its forms, its movements. Factors affecting hygroscopic, capillary, and gravitational water.

Control of soil moisture.—Run-off losses; Percolation; Evaporation. Methods of checking the same; Mulching, Ploughing, Rolling, Shelter, Plants.

Soil heat.—Relation of heat to germination and growth. Sources of soil heat. Factors affecting soil temperature.

Absorptive power of soils.—Effect of colour. Effect of texture and structure on heat. Radiation, Convection and Conduction. Absorptive power of soils in relation

to gases and solutions. Nature and properties of *sub-soils* in relation to soils.

(3) *Irrigation and Drainage*—

Water requirements of plants.—Factors affecting transpiration. Wilting point. Optimum moisture for plant growth. Conserving of moisture.

Sources of water of irrigation.—Rain, its annual and seasonal variations ; Ice, Frost, Snow, Dew, Hail, Wells (spring and percolation), Rivers, Canals, and Tanks.

Types of water-lifts.—Persian Wheel, Chain Pump, Hand Plunger Pump, Charsa, Baldeo Balti.

Distribution of water.—Flow systems ; Pacca and Kachcha channels ; Planning and laying-out of irrigation drains.

Drainage.—Earth bunds, Conditions making drainage necessary. Types of soils requiring drainage, Situation requiring drainage, Possible relation between irrigation and drainage.

(4) *Manures and manuring.*—Farm-yard manure, Fermentation, Application ; Feeding for manuring ; Special manures, i.e., Bones, Potash, Nitrate, Oil-cakes, their manurial properties and application ; Green manuring, important plants that can be used, their method of application.

(5) *Tillage.*—Objects of Tillage and description of principal implements of tillage :—

(*a*) Ploughs. (*c*) Cultivators.

(*b*) Harrows. (*d*) Harvesting Machines.

(6) *Plants.*—Utilization of plants and plant parts of the crops of the provinces.

General description of a plant and its parts and the functions of each.

Plant nutrition, Growth, Substances necessary for plant growth, Sources of those substances, Storage and movements of food materials.

Reactions of the plant to moisture, light and gravity.

General idea of flowers and their parts, Pollination, Different methods of pollination.

Fruits and seeds.—Their general structure and their functions. Length of life of seeds. Conditions necessary for their germination. Selection of seeds and their storage.

(7) *Farm Crops.*—Preliminary cultivation, sowing, weeding, manurial requirements, harvesting, storage, and marketing of the following crops :—

Wheat, barley, gram, peas, rice, maize, jawar, pulses, cotton, flax, sannai, ambadi, potatoes, sugarcane, tobacco, vegetable.

(8) *Farm Animals.*—Buffaloes, cows and oxen, their care and maintenance. Determination of age of animals, goats, sheep, and poultry.

(9) Patwari papers, their use and maintenance.

Candidates are required to maintain note-books of all work done, both theoretical and practical. These note-books should be inspected periodically and initialled by the teachers. These note-books may be called for at the time of the examination.

Candidates will undergo the following course of practical work in connexion with the above syllabus :—

1. Each student is required to keep records of the following facts noted in the school observatory :—

(*a*) Rainfall.

(*b*) Maximum and minimum temperature of air in shade.

(*c*) Wind directions and velocities.

(*d*) Amount of clouds and their directions.

(*e*) The time of occurrence of frost, fog, hail, dust-storm.

(*f*) Afternoon temperature of black soil, light coloured soil, ploughed soil, rolled soil and mulched soil.

2. Separation of stones, gravel, and fine soil by sieve.
Separation of sand and clay by sedimentation.
Determination by ignition of moisture and humus in soil.

Specific gravity of soils and pore space.
Weight of different soils in unit volume.
Organic matters in soil and sub-soil, its power of absorbing moisture.
Weight of water absorbed by soils from a saturated atmosphere.
Amount of percolation of water in a unit of time through sand, clay, and loam.
Classification of soils as Domat, Matyar, Balwar, by sight.

3. Amount of water taken out in one hour by the different water-lifts in use.
Amount of water discharged on fields by Kachcha, Pacca, and puddled channels.

4. Results of applications of green manuring, farm-yard manure, oil-cakes, ground bones, bone ash, potash nitrate applied to school garden plots.

5. Handling of farm implements, their use and special designs.

6. Drawings of different parts of plants grown on the farm.

7. Records of notes of cultivation of at least one kharif crop, one rabi crop, one garden crop from the time of preparation of seed bed to marketing, actually attended to by the candidate.

8. Practical determination of age of farm animals.
Drawing up of descriptions of local breeds of farm animals.
Recognition of different feeding stuffs.
Lay-out of stables from sanitary point of view.

Books recommended—

1. Meston Readers, Parts 1 to 3, by K. S. M. Quyum.
2. Krishi Shastra or Ilm Zarayat, by Tej Shanker Kochak.
3. Notes on Poultry-keeping in India, by Mrs. A. K. Fawkes.
4. Tisdale's Books on Dairying.
5. Monthly Journals, Leaflets, and Bulletins issued by the United Provinces Agricultural Department.
6. Lessons in Indian Agriculture by D. Clouston (Macmillan & Co., Ld.).
7. Rahbar Zarait, by T. S. Kochak, published by the author, price Rs. 2-8.
8. Krishi Vigyan, Part I, by Sita Prasad Tiwari.

V. —DRAWING.

The examination will consist of two papers of three hours each : the first paper on Free Arm Drawing and the second paper on Geometrical Drawing.

Syllabus.

Free Arm.—This should be in Pastel, and should comprise common objects from nature.

The Round.—Such as Orange, Mango, Apple, Tomato, Lichi, Melon, Peach ; Hockey and other Balls, Nutmeg, Walnut, etc.

The Cylindrical.—Such as Flower-pot, Household Utensils, Degchies, Cups, Saucers, Surahi, Bowls, Tumblers, Lotas, Bottles of kinds, Inkpots, Gloy Bottle, Paperweight, Candle-stick, etc.

The Rectilinear.—Open Book, Cigar and Cigarette Boxes, Match Box, Attaché Case, Cash Box, Flags, etc.

Miscellaneous.—Hockey Sticks, Cricket Bat, Tennis Racket, Mallet, Hammer, Screw Driver, Chisels, Padlock, Key, Scissors, Knives, Hatchet, etc.

Nature Study.—Simple flowers and leaves of all sorts. Butterflies, Beetles, etc.

The above outline which is but suggestive should be in Pastel on Tinted Paper and will involve instructions in the art of Blending Colours, Colour Harmonies, Colour Schemes and Shadows.

Text-books recommended—

Pastel work for the standards, 3 volumes, author A. G. Tomkins, publishers Messrs. Isaac Pitman & Sons, London, Bath and New York. Price Rs. 3 each vol.

Materials.—Pastels, Paper, etc. (Reeves), obtainble from Messrs. J. N. Navalakhi & Co., Kalbadevi Road, Bombay.

Geometrical Drawing.—(1) The theory and use of instruments, especially of the protractor and Marquoise scale.

(2) Plain block-letter writing.

(3) The whole of practical plane geometry.

(4) Drawing to scale, viz., scale of chords ; diagonal scale ; plain scale ; comparative scales (to be done in ink).

Text-books recommended—

1. Geometry, Plane and Solid (Morris), (Longmans, Green & Co., Bombay and London).

2. New School of Art Geometry (Gill), (George Gill & Co., Minerva House, Warwick Lane, E. C.. London).

3. Roorkee Drawing Manual (Veale), (Roorkee Thomason College Book Dépôt, Roorkee).

Materials.—School Geometry set (Reeves).

VI.—MANUAL TRAINING.

The examination will consist of one paper of three hours in Drawing and a practical examination of four hours in Woodwork.

SYLLABUS.

(1) *Woodwork*—

(*a*) A series of models graduated in respect of the tool manipulations involved to be made in wood from working drawings (drawn in plan and elevations, conventional isometric projection) or from a given pattern in wood ; the construction of the models to involve the use of one or more of the following tools :—

Jack Plane, Try Square, Marking Gauge, Marking Knife, Smoothing Plane, Tenon Saw, Bevil, Screw Driver, Firmer Chisel, Hammer, Mallet, Bradawl, Nail Punch, Compass, Firmer Gouge, Gimlet, Frame Saw, Spoke Shave, Brace and Bit, File.

The following joints at least should be included amongst the models :—

Half-lap, Housing, Mortise and Tenon, Half-lap Dovetail, Box Dovetail, Edge-dovetail, Bridle.

(*b*) The care and maintenance in good working condition of the above-mentioned tools, excluding saw setting and sharpening.

(2) *Drawing*—

Drawing in plan and elevations of all models in the course and in conventional isometric projection of those of a rectangular shape.

NOTES.—1. A scheme drawn up on the above lines is given below. Teachers need not keep strictly to the particular model mentioned in this scheme, but if any changes in the models are made these should not involve changes in the new tool manipulations employed. The course should, if possible, be commenced in class VII.

2. Attention is invited to the suggestions for the teaching of Manual Training contained in Director of Public Instruction's circular no. 2 of 1917-18.

*Books recommended for the *use of teachers*—

1. The Teacher's Handbook of Seojd, by O. Salloman. (*George Phillip & Sons.*) 6*s.*

2. Manual Instruction ; Woodwork, by J. C. Pearson. (*George Phillip & Sons.*) 6*s.*

3. McDougall's Light Woodwork, by David Thomas. (*McDougall's Educational Company, London*). 1*s.*

4. The Scholar's Woodwork Class-book, by T. W. Berry. (*Cassell & Co., London.*) 1*s.*

5. Practical Drawing, by T. S. Usherwood. (*Macmillan & Co.*) 2*s.*

6. Educational Handwork—Junior Course, by J. L. Martin and C. V. Manley. (*Blackie & Sons*). 1*s.* 6*d.*

7. Educational Handwork—Intermediate Course, J. L. Martin and C. V. Manley. (*Blackie & Sons*). 1*s.* 6*d.*

8. Educational Handwork or Manual Training, by A. H. Jenkins. (*University Tutorial Press, Burlington House, Cambridge.*)

9. The " Self-Help " Course of Woodwork Exercise, by E. J. Andrews. (*Charles & Dible*, 10, *Paternoster Square, London.*). 2*s.* net.

10. Handcraft in Wood and Metal, Shirley and Hooper, Rs. 9. (Batsford).

*In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

Table showing the tool manipulations involved in making the models of the course.

(* Indicates a new tool manipulation. +Indicates revision of a tool manipulation previously learnt.)

Serial number of tool manipulation.	Name of tool manipulation.	1 Preliminary (planing).	2 Preliminary (gouging).	3 Rectangular prism.	4 Square prism	5 Prism with longitudinal cuts	6 Prism wit oblique cuts.	7 Wooden pattern (*a*).	8 Wooden pattern (*b*).	9 Wooden pattern (*c*).	10 Rhombus with chamfered edge.	11 Prism with inlaid pieces.	12 Match-box holder.	13 Name board.	14 Stool.	15 Round ruler.	16 Inkstand.	17 Lapped halving joint.	18 Simple bracket.	19 Housing joint.	20 Letter rack.	21 Newspaper rack.	22 Mortising.	23 Book-stand.	24 Haunched tenoning.	25 Book rest.	26 Key-rack.	27 Half-lap dovetailing.	28 Towel rail	29 Edge-dovetailing.	30 Hat-rack.	31 Box-dovetailing.	32 Box.	33 Paper-file.	34 Paper-knife.	35 Bridle jointing.	36 Boot-rack.	37 Mortise mitring.	38 Picture frame.	39 Butt jointing.	40 Set squares 45 and 60.	Number of times each tool manipulation occurs in the course.
1	Face planing	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
2	Edge	*	.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
3	Gauging	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
4	Marking with knife	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
5	Sawing with tenon saw at right-angles to the grain	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
6	End planing	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
7	Sawing with tenon saw with the grain	.	.	.	.	*	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
8	Use of bevel	.	.	.	.	.	*	.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
9	Use of screw-driver	.	.	.	.	.	*	.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
10	Sawing through a face obliquely to the grain	.	.	.	.	.	*	.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
11	Horizontal chiselling across the grain	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
12	„ „ obliquely to the grain	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
13	Sawing through an edge obliquely to the grain	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
14	Vertical chiselling parallel to the grain	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
15	Chamfering with plane with the grain	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
16	„ chisel across the grain	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
17	Vertical chiselling obliquely to the grain	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
18	Inlaying	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
19	Vertical chiselling at right angles to the grain	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	22
20	Horizontal chiselling with the graind	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	13
21	Boring with bradawl	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
22	Nailing	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
23	Use of compass	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
24	Modelling with jack plane	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
25	Filing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	5
26	Gouging	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1
27	Stop chamfering	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1
28	Halving	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
29	Screwing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
30	Boring with gimlet	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
31	Housing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
32	Frame sawing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
33	Spoke shaving	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
34	Mortising	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
35	Use of brace and bit	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
36	Haunched tenoning	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
37	Fixing hinger	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	+	+	+	+	+	+	+	+	+	+	+	+	1
38	Glueing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	*	+	+	+	+	+	+	+	+	+	+	5
39	Half-lap dovetailing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	+	2
40	Edge-dovetailing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	+	2
41	Box-dovetailing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	+	2
42	Vertical gouging across the grain	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	+	2
43	Concave and convex chiselling	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	+	1
44	Bridle jointing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	+	2
45	Mortise mitring	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	+	2
46	Rebating with chisel	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	+	1
47	Butt jointing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*	+	2
	Number of tool manipulation in each exercise →	2	1	6	6	7	9	7	10	11	10	13	11	14	13	9	14	12	14	9	13	21	11	15	11	19	20	14	19	10	17	10	12	12	11	13	16	13	16	11	11	

VII.—A MODERN EUROPEAN LANGUAGE.

French.

There will be two papers of three hours each. The first paper will consist of passages for translation from the Prescribed Text-books, questions on the Prescribed Text-books, and questions on Grammar. The second paper will consist of Unseen passages and idiomatic phrases for translation from French into English and *vice versa*.

Books prescribed—

1. *Ed. About* :—Le Nez d'un Notaire. Macmillan's Edition (Siepmann's Series).
2. *Du Camp* :—La Dette de Jeu (Cambridge University Press).
3. *Daudet* :—Lettres de mon Moulin [Edited by Bradley and Rieu (Clarendon Press).]
4. French Poetry for advanced students by A. Watson Bain (Macmillan & Co.), of which poems numbered 1, 9, 11, 12, 13, 14, 16, 31, 48, and 56 are prescribed.

Grammar recommended—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap).

NOTE.—The *viva voce* examination has been dropped for the present.

VIII.—DOMESTIC SCIENCE.

The examination will consist of two papers of three hours each. The first paper will contain questions on Physiology, Hygiene, Household Management and Home-nursing. The second paper will consist of the practical examination in Sewing to be held at the same time as the examination in written work. There will also be an oral test in First Aid and Home-Nursing, and a practical test in Cooking.

Syllabus.

As a basis for the teaching of Hygiene and Home-Nursing there should be a preliminary simple treatment of the following topics in Elementary Physiology :—

The human skeleton, the organs of digestion, the circulation of the blood, the nervous system, respiration.

I.—*Hygiene.*

Note.—Great importance should be attached to practical work wherever the subject admits of this.

Air.—Composition of air, ventilation, importance of pure air, impurities of air, diseases caused by impure air.

Water.—Composition of water ; quantity of water required ; source of water-supply, springs, deep wells, surface wells, rivers, tanks ; how water is polluted ; how to prevent pollution of water, how to purify water ; boiling and filtering.

Food.—Composition of food ; composition of good diet and its importance ; preservation of food ; cooking of food ; drinks and condiments.

Personal Hygiene.—Cleanliness of body (hair, nails, teeth, etc.) clothing ; exercise ; importance of temperance ; the use of *pan*, opium, and other drugs ; spitting.

Precautions against diseases.—Infectious diseases (small-pox, measles and diptheria, etc.) ; tuberculosis, enteric fever ; dysentery and diarrhoea ; cholera ; plague ; malaria ; itch ; leprosy, ophthalmia (sore eyes).

II.—*First Aid.*

Roller bandage, figure of eight as supplied to knee, elbow, finger, ear ; bandage for eye, nose, chin ; many-tailed bandage for chest. Bleeding of different kinds ; how to stop bleeding ; drowning ; burns ; scalds ; bruises ; sprains ; broken bones ; dislocation ; carrying injured

people ; fainting ; sunstroke ; hysteria ; epilepsy ; suffocation ; foreign bodies in eye, ear, nose, and throat ; bites of mad dogs ; signs of madness in dogs ; snake-bite, stings.

III.—Home-Nursing.

NOTE.—None of the work is to be purely theoretical. Practice must be given in every point which allows of practical work.

Room.—Bed ; bedding ; furniture ; light ; warmth ; ventilation.

Nurse.—Health ; dress ; duties and qualifications of a nurse.

External Remedies.—Poultices ; plasters ; fomentations ; ice ; baths—hot and cold ; temperature of baths.

Food.—Kind of food and preparation ; way of giving.

The Sick Room.—Administration of medicine ; pulse and temperature charts ; bathing ; changing of garments and bedding.

Infectious Illness.—Precautions during illness ; disinfection of room, clothing, and bedding after illness ; use of disinfectants.

Convalescence.—Occupations; visitors ; rest, sleep, and food.

IV.—Care and training of Children.

Food, sleep, exercise, play, clothing, cleanliness, surroundings.

V.—Household management.

A.—Choice of House. Furniture and Decoration. Distribution of rooms. Cleansing and care of house and furniture. Disposal of refuse and sewage. Precautions against flies and mosquitoes.

B.—Care of the kitchen.

Preparation of simple food.

Two of the following groups :—

(*i*) Preparation of *roti*, rice, *dal ;* and *tarkari* ;

(*ii*) Preparation and care of milk *;*

(*iii*) Preparation and care of meat. (One dish only required.)

C.—Duties of the mistress of household.

Proper distribution of daily activities. Accounts and budgeting of expenditure.

VI.—Clothing.

(*i*) Choice and care of the clothing.

(*ii*) Methods of washing cotton, woollen, and silk materials.

NOTE.—Practical work should be done, if possible.

(*iii*) Sewing and cutting out.—Each candidate should select three of the following groups.

A good standard of skill will be required in the various stitches that are necessary in making up garments and in mending worn articles of clothing :—

(*a*) To cut and make up coat (*achkan*) or *pyjama* or shirt (*kurta*) or waistcoat for a man.

(*b*) To cut out and make up *kurti* or blouse or skirt or petticoat or *pyjama* for a woman.

(*c*) To cut out and make up frock or bonnet or *pyjama* or *bandi* for a child.

(*d*) Drawn thread or crewel work or English embroidery or *chikan* work or *sulme sitare.*

(*e*) Spinning.

(*f*) Weaving.

NOTE.—As an indication of the scope and standard of instruction in Hygiene and Home-Nursing teachers are referred to sections II, III and IV of Personal and Domestic Hygiene for the School and Home, by Mrs. Harold Hendley (Rai Sahib M. Gulab Singh & Sons, Lahore), also to Indian Manual of First Aid and Indian Home-nursing, published by the Indian Council of the St. John's Ambulance Association (Thacker, Spink & Co., Calcutta).

Books for teachers' reference—

1. Physiology, by T. Huxley.
2. Tropical Hygiene, Lukis and Blackham (Thacker, Spink & Co.).
3. Outline of Domestic Science (for Indian Readers), by Lilian Sawtell (Longmans, Green & Co.).
4. Training of Children under five years.
5. Child-welfare by Dr. S. K. Mukerji (Indian Press, Allahabad).

IX.—METAL WORK.

The examination will consist of one paper of three hours in Drawing and Theory, and a practical test for four hours in Forging and Fitting Work.

Syllabus.

(*a*) *Practical work.*—A series of models graded in respect of tool manipulation to be made in metal from Working Drawings or from Patterns, and involving the use of Forge, Anvil, Vice, Tongs, Top and Bottom Tools, Drills, Hammers, Files, Stocks and Dies, etc. Exercises should include Drawing Down, Upsetting, Welding, Annealing, Hardening and Tempering, Rivetting, etc., and such objects as Punches (nail and centre), Scribing Knife, Nuts and Bolts, Rings, Chain Links, Hasp and Staple, Keys (for shafting), Coat Hook, Wall Bracket, Letter Weight, Callipers, Wall-Holdfast, Cold Chisels, Drills, etc.

(*b*) *Theoretical work.*—Properties and uses of different metals, Iron (malleable and cast), Steel, Brass, etc. Sections and weights of above, Length calculations, Working heats, Care and maintenance of tools, forge, etc.

(*c*) *Drawing.*—In orthographic projection of all models made during the course.

Books recommended—

1. Smithy and Forge Crane, approximate price Rs. 2. (Publishers Crosby Lockwood).

2. Smith's Work Hasluck, Rs. 2. (Cassels).

3. Educational Handwork, Jenkins, Rs. 3 (University Tutorial Press).

4. Handcraft in Wood and Metal, Shirley and Hooper, Rs. 9 (Batsford).

5. Plain and Ornamental Forging, Schwarzkopf Wiley & Sons, Rs. 6-8-0.

X.—HISTORY *or* GEOGRAPHY.

(The same course as in the compulsory subject.)

XI.—BOOK-BINDING.

(No course drawn up.)

XII.—SPINNING AND WEAVING.

(No course drawn up.)

XIII.—GENERAL SCIENCE (PHYSICS, CHEMISTRY, AND BIOLOGY).

There will be two papers of three hours each as follows :—

1st Paper—Physics and Chemistry.

2nd Paper—Biology and Chemistry.

(NOTE.—Each paper will consist of eight questions three of which will be in Chemistry.)

Syllabus—

General Science.—Pressure at different depths in liquid. Density, Specific Gravity. Archimedes' Principle and applications. Flotation (Ships, Airship, Balloons, Iceberg). Air pressure. Effects of air pressure. Syringe. Simple water pump. How the pressure of the air is measured. Barometer movements and weather. Action of the football and bicycle pumps.

Bicycle valve. Kites, aeroplanes. Steam pressure. Force on piston of steam engine. Simple manometer.

Light.—Rectilinear propagation of light. Eclipses of sun and moon. Candle-power. Plane mirrors. Laws of reflection. Images in spherical mirrors (no formulae). Refraction. Magnifying glass. Camera. Telescope. Microscope. Dispersion. Colour.

Sound.—Nature of waves on water surface. Sound waves in air, wave length. Frequency. Gramophone Klaxon horn. The human voice.

Electricity.—Electrification. Electroscope. Conductors and insulators. Magnets. Polarity. Earth's Magnetism. Compass needle. Cells and batteries. Electro-magnet. Electric Bell. Telegraph. Simple galvanometer. Heating and chemical effects of a current. Electric light.

Heat.—Sources of heat. Expansion of solids, liquids, and gases. Effects of expansion ; platinum and glass ; pendulums. Thermometers. Air, clinical, maximum and minimum thermometers. Effects of salt on melting point. Freezing mixtures. Effect of salt and pressure on boiling point. Transference of heat. Davy lamp. Winds. Cold nights with cloudless sky. Thermos-flask. Units of heat. Measuring of specific and latent heat. Cold on evaporation. Heat on compression. Snow. Hail. Humidity. Change of volume on melting. Freezing of ponds. Change of volume on boiling ; hence steam pressure.

Chemistry.—Solutions in water and other liquids. Crystallization. Slow and rapid evaporation. Saturated solutions. Elements, compounds, and mixtures. Study of the atmosphere. Oxygen and Nitrogen. Combustion; slow and rapid. Flame. Water. Properties of Hydrogen. Ammonia. Limestone. Properties of sodium carbonate

and caustic soda. Mortar and cement. Hard and soft waters. Acids. Bases. Salts. Atoms and molecules. Chemical symbols. Conservation of mass. Carbon : Properties and varieties. Carbon dioxide. How plants use air. Respiration. Coal gas. Coal-tar products. Sulphur: properties and varieties. Sulphur dioxide. Chlorine. Hydrochloric acid. Phosphorus. Matches. Common salt. Properties of metals, non-metals. Alloys. Iron and steel. Petroleum : how obtained and properties. Soap. Sugar. Glass.

Biology.—A. LIFE OF ANIMALS, BASED ON THE FROG—

(1) External parts and their work.

(2) Internal parts and their work—

(*a*) Digestive system : food and digestion ; uses of food.

(*b*) Circulatory system and blood : work of the blood and need for circulation.

(*c*) Lungs and breathing.

(*d*) Kidneys and excretion.

(*e*) Nervous system : sensation and the special senses.

(*f*) Muscles and movement.

(*g*) Bones and support.

(*h*) Reproductive system and reproduction.

(3) Mode of life.

(4) Life history o the frog.

B. GENERAL SURVEY OF THE ANIMAL KINGDOM.—Illustrated mainly by local animals.

C. LIFE OF PLANTS.—Based mainly on mustard (or bean plant)—

(1) Various forms of plants : trees, shrubs, herbs, climbing plants, parasites, non-green plants. Parts of the plant and their work—

(*a*) Leaves : manufacture of food ; loss of water to air.

Stem : carrying water and food : support of leaves.

(*c*) Root : collecting water and salts from the soil ; holding the plant in position.

(*d*) Storage of excess food ; provides food for man.

(*e*) Flower : reproduction ; pollination ; fruits and the scattering of seeds.

(*f*) The new plant in the seed ; germination.

(3) Production of new plants from stems and roots.

(4) Response of plants to light and moisture.

D. General Survey of the plant kingdom.— Illustrated mainly by local plants.

E. The value of plants and animals to man.— Food, fuel, clothes, power, building materials, medicines pleasure, destruction of waste materials (dogs, jackals, crows, bacteria, fungi).

F. Animals and plants that are harmful to man—

(1) That feed on man and animals : ticks, lice, fleas, bedbugs, mosquitoes, intestinal worms.

(2) That feed on plants : insects that destroy cultivated plants.

(3) That cause disease in man and animals : animal parasites (malaria parasite, kala azar, hookworm) and bacteria (cholera, plague, small-pox, tuberculosis, rabies, etc.).

(4) That cause diseases in plants : parasitic fungi (mildews, smuts, rusts, etc.).

(5) That carry disease : insects (flies, fleas, sandflies, mosquitoes) ; rats.

(6) That destroy property : rats ; white-ants ; bacteria and molds in food ; wood-rotting fungi, etc.

(7) Control of parasites disease-producing organisms and other pests ; by nature (birds and insect-eating insects) and by man.

G. STRUCTURE OF THE HUMAN BODY AND FUNCTION OF THE PARTS—

(1) Digestive system : food (sources, selection and preparation) ; digestion ; habits of eating ; care of the teeth ; harmful things (ganja, tobacco, opium, alcohol).

(2) Heart, blood vessels, and blood : exercise.

(3) Lungs and breathing : pure air, ventilation.

(4) The skin, and protection : perspiration and temperature regulation ; clothing ; bathing.

(5) Nervous system : brain and nerves ; special senses and their care.

(6) Excretion : relation to health of the individual and the community.

(7) Reproductive system and sex hygiene : responsibility of the individual to himself and to the race.

(8) Good habits of thought and action.

H. HEALTHFUL SURROUNDINGS—

(1) Drainage and disposal of waste materials.

(2) Water-supply and its protection.

(3) Care of food.

(4) Breeding places for harmful insects and other animal pests.

(5) Making the home and community healthful and beautiful.

I. INTERDEPENDENCE OF PLANTS AND ANIMALS—

(1) Plants as food for animals : grazing lands.

(2) Animal products and remains used again by plants.

(3) Plants and animals living together in communities ; plants as the home for animals.

(4) Domestication of animals and cultivation of plants.
(5) The warfare against injurious plants and animals.
(6) Human society, the crowning achievement of the world of life.
(7) The unity of life.

Practical work.

The following list of experiments indicates the minimum amount of practical work required to be done by each student. Other experiments of equal educational value may be substituted. It should be possible for most teachers to get their students to perform additional experiments. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments and demonstrations are to be considered an essential part of the teacher's work. The course in Biology will not require extensive expenditure on equipment and materials. Practically all materials can be collected from the local fauna and flora. No microscopic work is expected to be done individually by the pupils; only that may be done by demonstration on the part of the teacher, when he believes it will add to the effectiveness of the work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognised in General Science.

General.—To show that the weight of a floating body is equal to the weight of the liquid displaced (using a loaded test tube in a graduated jar with different liquids).

Determination of the radius of a wire by Archimedes' Principle.

Determination of the relative density of (*a*) bodies which sink in water, (*b*) liquids.

To measure (*a*) the pressure of the lungs, (*b*) gas supply (if any).

Light.—Reflection at a plane mirror.

Focal length of (*a*) concave mirror, (*b*) convex lens by parallel rays method.

Relation between image and object produced by (*a*) concave mirror, (*b*) convex lens (no calculations).

Refractive index of glass and liquids.

Refraction through a prism.

Heat.—Cooling curve of water and wax.

Determination of the apparent expansion of water (by heating water in a flask and noting rise in level of surface).

To compare heat required to melt ice and to boil water.

To show that the loss of heat of one body is equal to the gain of heat in another.

Determination of specific heat of a solid.

Magnetism.—To map lines of force by a small magnet. Charging an electroscope.

Magnetic effect of a current.

Chemistry.—To observe the action of water on sodium, sodium chloride, potassium nitrate, sodium carbonate, copper sulphate.

To observe the action of heat on potassium nitrate, calcium carbonate, copper sulphate, iron, zinc, tin, lead, mercury, sulphur, phosphorus.

To determine the change in weight due to oxidization when a substance is sufficiently heated in air.

To find the proportion of oxygen and nitrogen in air.

To prepare oxygen from potassium chlorate and study its properties.

To prepare hydrogen from zinc and sulphuric acid and study its properties.

To prepare chlorine from manganese dioxide and hydrochloric acid and to study its properties.

To prepare hydrochloric acid from sodium chloride and sulphuric acid.

To prepare ammonia gas from ammonium chloride and quicklime and study its properties.

To prepare carbon dioxide from limestone and hydrochloric acid and study its properties.

To prepare coal gas.

To find the volume of oxygen given off by heating 15 grams of potassium chlorate.

Biology.—A. Observation of living frogs: habits and mode of life.

Demonstration of more important features of the internal parts. Students should sketch easier parts.

Observation of life history in the field and in the laboratory.

B. Demonstration of common representatives of animal kingdom. Students should be encouraged to collect materials; should be developed as a museum activity.

C. Collection and sketching of common plant forms.

Study and sketch parts of plant. No microscopic work, except such demonstration as the teacher may think desirable.

Simple experiments, mainly demonstrations, to show—

1. Accumulation of food (starch) in leaves exposed to light.
2. That water is lost through the leaves.
3. That plants require a continuous supply of water.
4. That water rises through the stem.

5. That CO_2 is given off during respiration.
6. That plants grown in darkness are not green, but become green upon exposure to light.
7. That stems grow toward light, and roots toward moisture.
8. Tests of plant parts for food substances. Process of germination ; study and sketch (bean, chana, castor bean).

D. Demonstration of common representatives of plant kingdom. The project to be developed as for animals (B).

E. Observation of the uses man makes of plants and animals : the parts that are used ; the general method of preparation ; the value of more important Indian products.

F. Collection of animal and human parasites ; observation of their habits, and of their adaptations for such a mode of life.

Observation and collection of insects that feed on cultivated plants : at what stage in the life history of the sect is the damage done ?

Collection of fungus diseases of plants, especially of crop plants ; a study of the damage they cause.

Collection of animals that carry disease : their habits and life histories.

Observation, collection, and study of plants and animals that destroy property.

Methods of control of plant and animal pests. (One of the most important aims in the study of the life history is to find some means for controlling pests.)

Control of bacteria by heat, cold, drying, chemicals.

G. Test for CO_2 in exhaled air ; the need for ventilation ; whether ventilation is sufficient in home and school.

Consideration of the various kinds of exercise, and their value.

Consideration of clothes : various kinds ; various materials ; purpose and value.

H. Study the drainage of the school premises, the home ; and the village or city. How can the drainage be improved ?

Study of various sources of water-supply ; see how they are polluted. How improved. Danger of polluted water.

Study, preparation and care of food in the home ; in the bazar. Sources of contamination, and methods of protection. Dangers of dirty food.

Study of breeding places of mosquitoes, flies, rats.

Study of life history of mosquito and house fly in nature and in the laboratory. Methods of control.

I. Trips out into the field for the study of nature should be as frequent as possible. The life of plants and animals should be observed in nature as far as possible, especially to see the inter-relations and interdependence of plant and animal life. What the pupils see will depend largely on the teacher.

The following book is recommended :—

Experimental Science for Indian Schools, by Gregory and Hodges. (Macmillan & Co.), Rs. 3.

Recommended for the use of the teachers :—

Life by Shipley (Macmillan & Co.).

INTERMEDIATE EXAMINATION OF 1931.

The following grouping of subjects is approved for the guidance of students and teachers. The subjects have been so grouped that, while providing a sound general education, suitable as an introduction to University studies, they should also fit the students to enter upon higher specialized courses in technical and professional institutions :—

General Arts.—Mathematics, Economics, *Civics, Geography, Drawing, a Modern Indian or European Language, Logic, a Classical Language, History and Allied Geography, Histories of Greece and Rome and Allied Geography. (*Any three should be taken.*)

General Science.—Mathematics, Drawing, Chemistry, Physics, Biology, Geography, Economics. (*Any three should be taken.*)

For Medicine.—Chemistry, Physics, and Biology.

For Engineering.—Mathematics, Physics, and Chemistry.

For Teaching.—(1) History, Civics, and Geography.

(2) History, Geography, and Mathematics.

(3) History, Geography and (Physiology, Hygiene, and Child-Study) (*women students*).

(4) Geography, Mathematics and (Physiology, Hygiene, and Chil-Study) (*women students*).

*Students taking Civics are advised also to take History.

(5) Geography (or Mathematics), Biology and (Physiology, Hygiene and Child-Study) (*women students*).

(6) History, Geography, and Economics.

(7) Mathematics, Geography, and Economics (or Drawing).

(8) Mathematics, Physics, and Chemistry.

(9) Mathematics, Physics, and Biology.

(10) Chemistry, Physics, and Biology.

(11) Biology, Physics (or Chemistry) and Drawing.

(12) (Physiology, Hygiene, and Child-Study), a Classical language and History or Geography or Mathematics (*women students*).

(13) (Physiology, Hygiene and Child-Study), Drawing and Biology or Geography or a Classical Language (*women students*).

ENGLISH.

There will be *one* paper of three hours on the prescribed Prose course and a *second* paper of three hours on the prescribed Poetry course ; and in each paper there will be one question on " Unseen " passages. The prose paper will contain one or more prose unseens and the poetry paper will contain one or more poetical unseens.

A *third* paper of three hours will include (*a*) translation from a Modern Indian language into English, and (*b*) a narrative or descriptive piece of composition in

English. In the case of candidates who offer English as their mother-tongue the third paper will consist of an Essay, together with questions on English composition and on the history of English literature from 1500, as in Hudson's Outline History of English Literature (Bell & Co.)

NOTES.—1. In the case of books prescribed for detailed study candidates will be expected to show a close familiarity with the text, including meaning of words, construction of sentences, historical and other allusions, as well as knowledge and understanding of the subject-matter. They should be able to indicate contexts and to paraphrase and explain any difficult passages in simple and correct English.

2. In the case of books prescribed for general study detailed knowledge of the text will not be required, but candidates will be expected to show that they have read the course with intelligence and with some appreciation.

Books prescribed—

Prose—(*a*) For detailed study—

1. A Book of English Prose by P. Seshadri (Oxford University Press) (omitting the Convalescent ; the Beautiful ; Dr. Skinner ; El Dorado ; the Dedicated Life ; War).
2. Southey's Life of Nelson (abridged edition, by the Indian Press, Ltd., Allahabad).

(*b*) For general study—

1. Kingsley's Hereward the Wake (abridged edition, by the Indian Press, Ltd., Allahabad. *or* by Messrs. Blackie & Sons).
2. A Round of Tales, selected by Henry and Treble (Oxford University Press), price Re. 1 as. 6.

Poetry—(*a*) For detailed study—

1. Arnold—Sohrab and Rustam.
2. The following from Palgrave's Golden Treasury, (Oxford University Press), (Indian edition, price Re. 1), are prescribed :—

Shakespeare—" When to the sessions of sweet silent thought."
" Let me not to the marriage of true minds."
" Since brass, nor stone, nor earth, nor boundless sea."

Keats—" La Belle Dame Sans Merci."

Milton—" On his blindness."
" Captain, or Colonel, or Knight in Arms."

Tennyson—" Ring out, wild bells."
—" Tears, idle tears"
—" The splendour falls on castle walls."

Wordsworth—" The world is too much with us."
—" Upon Westminster Bridge."

3. Tagore (Macmillan's Poems from Tagore)—
" Where the mind is free."
" Traveller, must you go."
" The fair was on before the temple."
" The Champa Flower."

(*b*) For general study—

Shakespeare—" As You Like It."

NOTES.—(*a*) Half the total of marks will be allotted to the portions for detailed study, 30 per cent. to the portions for general study, and 20 per cent. to Unseen Passages and Grammar.

(*b*) Grammatical questions will be asked, including Parsing, Analysis, the Sequence of Tenses and conversion of the Direct and Indirect forms of speech.

(*c*) The attention of candidates is drawn to the fact that examiners have been instructed to deduct marks for inaccuracy in English.

MATHEMATICS.

There will be three papers of three hours each ; one paper in Algebra and Trigonometry, a second in Mensuration and Pure and Analytical Geometry, and a third on Elementary Dynamics.

(1) (*a*) *Algebra.*—Quadratic equations involving two or more unknown quantities; the theory of quadratic equations and of expressions of the second degree; surds and imaginary expressions; arithmetical, geometrical and harmonical progressions; permutations and combinations; theory of indices and logarithms, proof of binomial theorem for a positive integral index and the use of binomial and exponential theorems for any index.

(*b*) *Trigonometry.*—Including solution of triangles and simple problems on inscribed, circumscribed, and ascribed circles.

(2) (*a*) *Pure Geometry.*—Loci; proportion and similarity; radical axis of two circles; simple properties of pole and polar in respect of a circle; simple properties of parabola.

(*b*) *Analytical Geometry.*—Straight line, pair of straight lines, circle (including radical axis and pole and polar); equation to parabola in form $y2=4$ ax and simple properties deduced therefrom; simple properties of tangents and normals to the ellipse deduced from the equation $\frac{x^2}{a_2}+\frac{y^1}{b_2}=1$. (Oblique cartesian and polar co-ordinates will not be required.)

(*c*) *Mensuration of Solids.*—Surfaces and volumes of parallelopipeds and right prisms, pyramids, circular cylinders and cones, spheres, and spherical segments; frusta of pyramids, cones, and spheres.

The use of Trigonometry and Logarithms will be permitted in solving numercial examples.

(3) *Dynamics and Statics.*—Velocity, composition of velocities; relative velocity; acceleration, rectilinear motion under uniform acceleration, composition of accelerations; Newton's Laws of motion; rectilinear motion under gravity in a vertical and down an inclined

plane ; motion of two masses connected by a string passing over a pulley ; projectiles ; direct impact of smooth bodies ; definition and calculation of kinetic energy ; co-planer forces, parallel and non-parallel, and their composition ; equilibrium of a body under three forces ; moments ; conditions of equilibrium of a body under a system of co-planar forces and simple examples ; centre of gravity ; friction ; work and power ; simple machines (lever, balance, system of pulleys, wheel and axle).

The following books are suggested (*not prescribed*) in addition to more elementary text-books :—

1. School Algebra, H. S. Hall, Parts I—III.
2. School Algebra, Part II, by Paterson (Clarendon Press).
3. Elementary Algebra, Part II, by P. Ross (Longmans).
4. Hall and Steven's School Geometry, Part VI.
5. Co-ordinate Geometry, Smith or Loney (Macmillan).
6. Elements of Statics and Dynamics by Loney (Cambridge University Press).
7. Higher Algebra, Chapters I—XVII, by Hall and Knight (Macmillan).
8. Intermediate Trigonometry, by C. C. Ghosh (Macmillan).
9. Plane Trigonometry, Part I, by S. L. Loney (Macmillan).

CHEMISTRY.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

There will be two papers of three hours each and a practical examination. The first paper will include metals and non-metals and the second paper general Chemistry and organic Chemistry.

The following syllabus is prescribed :—

The course for the High School Examination of 1931 with the following additions :—

Elementary and compound substances, mixtures, solution, chemical action, the laws of definite and multiple proportions, simple methods of the determination of equivalent weights, atoms, molecules, atomic and molecular weights, vapour density, the atomic theory and Avogadro's hypothesis, combination of gases by volume.

Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights, Dulong and Petit's law. Boyle's law, Charles' law, vapour pressure, diffusion.

Chemical symbols, formulae and equations, calculations of an easy nature.

Oxidation and reduction.

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory.

The outlines of the Periodic law studied from elements prescribed in the course.

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* :—

Hydrogen, oxygen, water*, ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric acid and nitrates, nitrous acid and nitrites, nitrous* and nitric* oxides, nitrogen peroxide, carbon, carbon* dioxide, carbon* monoxide, elementary ideas about combustion and structure of flame, coal gas, chlorine, hydrochloric* acid, the chlorides, chlorine peroxide, chloric acid and chlorates, bromine, iodine, their hydracids and salts.

Sulphur, *hydrogen sulphide, *sulphur dioxide and trioxide, sulphuric acid and the sulphates, sulphurous acid and sulphites.

Phosphorus, hydrogen phosphide, phosphorus trioxide and pentaoxide, orthophosphoric acid.

Silica, silicates of Na. K & Ca, glass.

Sodium, potassium, their hydroxides, chlorides, nitrates, carbonates, sulphates.

Calcium, strontium, barium, and their oxides, carbonates, sulphates, chlorides, nitrates.

Magnesium, its oxide, chloride, sulpahte, carbonate and nitrate.

Lead, its chloride, sulphate, nitrate, and acetate.

Copper, the outlines of its metallurgy, its oxides, chlorides, sulphate, nitrate, and sulphides.

Iron, the outlines of its metallurgy, its oxides (FeO, $Fe^{2}O^{1}$, $Fe^{3}O^{4}$), chlorides, sulphates and sulphides.

Zinc, its oxide, chloride, carbonate and sulphate.

Mercury, oxides, chlorides, nitrates, sulphide.

Aluminium, oxide, chloride, sulphate.

Arsenic, hydride, oxides, sulphides.

Antimony, hydride, oxides, chlorides, sulphides.

Tin, oxides, chlorides, sulphides.

Silver, oxide, hydroxide, chloride, bromide, iodide, nitrate and sulphate.

Organic :—

A.—The preparation, typical properties, and structural relationship of the following compounds :—

Methane, ethane, ethylene, chloroform, iodoform.

Methyl alcohol and ethyl alcohol.

Formaldehyde and acetaldehyde.

Formic acid and acetic acid.

Ethyl acetate and methyl acetate.

Acetamide, acetyl chloride, acetic anhydride.

Acetylene.

Methylamine.

B.—The simpler properties of the following :—

Glycerol, acetone, ether, oxalic acid, tartaric acid, fats, soaps, (and saponification), starch, cane sugar, grape sugar (and fermentation), urea, benzene, nitrobenzene, phenol, aniline, benzoic acid.

Practical Work.

Students will be examined in Practical Chemistry.

Students are expected to perform the following experiments in the laboratory. An account of each experiment must be written by the student in a special note-book, which will be liable to examination by the examiners. This note-book should be kept in the charge of the laboratory instructor and each account of an experiment should be signed by him. The Principal of a College will be responsible for the production of this note-book when demanded by the proper authorities.

The *practical* course is as follows :—

1. Such practical work as is required for the High School Examination of 1931.

2. Analysis of simple salts soluble in water or hydrochloric acid composed of acids and bases mentioned in the following list :—Ag, Pb, Hg, Cu, Cd., Bi, As, Sb, Sn, Fe, Al, Cr, Ni, Co, Zn, Mn, Mg, Ca, Sr, Ba, Na, K, NH_4, Cl., Br, I, ClO, SO_4, SO_3, NO_3, NO_2, PO_4, S, CO_3, C_2O_4, acetate (*dry and wet methods*).

3. Preparation and purification of simple salts involving no special difficulty.

4. Simple gravimetric and volumetric estimations, such as estimation of alkali, acids, and alkaline carbonates by titration, and simple gravimetric experiments such as change in mass on oxidation of magnesium,

change of weight on heating (1) barium chloride, (2) copper carbonate, and (3) ferrous ammonium sulphate.

5. Determination of melting and boiling points.

6. Qualitative detection of nitrogen, sulphur, chlorine, bromine or iodine, alone, or together, in an organic compound.

Books suggested—

1. SHENSTONE : Inorganic Chemistry (Arnold).
2. ROSCOE AND LUNT : Elementary Inorganic Chemistry.
3. ROSCOE AND HARDEN : Inorganic Chemistry for advanced students.
4. A Class-book of Organic Chemistry, by J. B. Cohen.
5. Organic Chemistry, Part I, by Perkin and Kipping. (W. and R. Chambers).
6. DONINGTON'S Class-book of Chemistry, Parts 1—4.
7. HOLMYARD'S Inorganic Chemistry (Arnold). 6*s*. 6*d*.
8. HOLMYARD : Practical Chemistry (Bell & Sons, Ltd.). 4*s*.
9. OSCROFT : Inorganic Chemistry, for Upper Forms (Bell & Sons, Ltd.), 6*s*. 6*d*.
10. MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press, Allahabad). Rs. 2.
11. NEWTH : Chemical Lecture Experiments for teachers' use (Messrs. Longmans, Green & Co.). (latest edition). Price 8*s*. 6*d*.
12. HOLMYARD : Introduction to Organic Chemistry (Arnold).
13. BRUCE AND HARPER : Practical Chemistry, edition 1925 (Macmillan).

PHYSICS.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

There will be two papers of three hours each as follows :—

1st Paper—Properties of Matter, Heat, and Light.

2nd Paper—Sound, Electricity, and Magnetism.

The following syllabus is recommended :—

General properties of matter.—Fundamental units and their measurement, Principle of Balance, Verniers, Callipers, Screw-gauge, Spherometer, Volume, Density, Specific gravity, Fluid pressure, Principle of Archimedes, Nicholson's hydrometer, Barometer, Boyle's law, Pumps, Siphon, Elementary notions of volume, elasticity, and Young's modulus in the case of solids. Isothermal and adia- batic elasticities of gases. Gravitation, simple harmonic motion. Pendulum. Value of "g".

Heat.—Temperature. Thermometers. Calorimetry. Specific heat. Latent heat. Expansion of solids, liquids, and gases. Vapour pressure. Hygrometry. Change of state. Laws of unsaturated and saturated vapours. Conduction. Convection. Radiation. Reflection and absorption of heat. Isothermal and adiabatic changes. Specific heat at constant volume and constant pressure. Relation of heat to work. Determination of J.

Light.—Laws of propagation. Reflection and refraction from plane and spherical surfaces. Dispersion. Spectra. Fraunhofer's lines. Telescope. Microscope. Spectrometer. Photometry. Phosphorescence. Fluorescence. Velocity of light.

Sound.—Transverse and longitudinal waves. Nature of sound waves. Intensity. Pitch. Quality. Mode of propagation. Reflection. Refraction. Stationary waves. Beats. Resonance. Vibrations of strings and air columns. Monochord and organ pipes. Determination

of velocity in solids, liquids, and gases. Musical scale. The gramophone.

Electricity and Magnetism.—Magnetisation. Permanent magnets. Magnetic induction. Unit of magnetism. Magnetic field. Lines of force and lines of induction. Tangent A and B positions of Gauss. Deflection and vibration magnetometers. Magnetic moments. Earth as a Magnet. Magnetic elements. H. Declination and Dip and their determinations. Electrostatic unit of quantity. Coulomb's law of force. Electric field. Gold leaf electroscope. Surface density Potential. Capacity. Leyden jar. Capacity of a parallel plate condenser. Electrophorus. Wimshurst's machine.

Voltaic cell. Electric current and its magnetic effects. E. M. unit of current. Galvanometers. Ammeters. Voltmeters. Ohm's law and its verification. Unit of resistance and Potential difference. Specific resistance. Practical and absolute units. Determination of resistance. Wheatstone's bridge. P. O. Box. Heating effect of current. Joule's law. Determination of J. Electric glow lamp. Electric arcs. Chemical effects of current. Faraday's laws of Electrolysis. Electro-chemical equivalent. Voltameters. Electro-magnetic relations. Electro-magnetic induction. Induction coil. Simple dynamo. Motor. Electric Telegraph. Telephone. Microphone. Thermopile. X-ray.

Books suggested—

1. A Text-book of Physics by R. S. Willows (Messrs. Arnold & Co.).
2. Everyday Physics by H. E. Hadley (Macmillan & Co., Rs. 4.)

There will be also an examination in practical work.

The laboratory course is indicated by the subjoined list of experiments. An account of each experiment

must be written by the student in a special note-book which will be examined. The account of each experiment should be signed by the Demonstrator, and the books should be kept in his charge.

LIST OF EXPERIMENTS.

Mechanics—

Applications of the Traiangle of Forces.

Equilibrium of Parallel forces.

Principle of Momemts.

Determination of co-efficient of Friction.

,, " g " by the pendulum.

Nicholson's hydrometer.

General properties of Matter—

Measurements of mass by the balance.

Use of the Spherometer.

,, Screw Gauge.

,, Callipers.

Reading the Barometer.

Heat—

Testing fixed points of Thermometers.

Determination of Specific Heats.

,, Latent Heats.

Construction of a graph illustrating the rate of cooling of a liquid.

Verification of Boyle's law.

Determination of the co-efficient of linear expansion.

Light—

Reflection and refraction of light at plane and spherical surfaces.

Determination of refractive indices.

Focal lengths of mirrors and lenses.

Sound—

Determination of the velocity of sound by resonance.

,, the frequency of a fork by sonometer.

Magnetism—

Mapping out lines of force by a small magnet.

Determination of neutral points in a magnetic field.

Comparison of magnetic moments by the magnetometer.

Comparison of magnetic fields by a vibrating magnet.

Electricity—

Variation of magnetic force at centre of a coil with radius, number of turns, and strength of current.

Determination of resistance by the use of Wheatstone's wire bridge.

Determination of resistance by the use of Ammeter and Voltmeter.

Combination of cells in series and parallel.

Comparison of electromotive forces by the potentiometer.

Detailed accounts of the method of performing the above experiments will be found in either Willow's Text-book of Physics or in any Intermediate course of Practical Physics such as Schuster and Lees.

BIOLOGY.

There will be two papers of three hours each and a practical examination : the first paper on Zoology and the second paper on Botany.

The following syllabus is prescribed. Instructions for the teaching of Biology are appended :—

I.—Zoology.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—Living and non-living matter. The distinctive properties of living matter (protoplasm), and its chemical composition. The structure and life-history of Amoeba and malaria-parasite as examples of the Protozoa. A general conception of the structure and phenomena of

the animal cell; direct and indirect cell division. The union of cells to form tissues and the combination of tissues to form organs.

B.—The structure of Hydra as an example of the Metazoa. The principle of the physiological division of labour and the correlated differentiation of structure.

C.—The structure and bionomics of an Indian earthworm, as an example of a segmented animal.

D.—The structure of the cockroach as a type of Arthropoda. A general survey of the life-history of the mosquito and house-fly, and their economic importance.

E.—The general characters of the Chordata.

F.—The general anatomy, histology, and physiology of the various systems or organs in the frog.

G.—An elementary knowledge of the anatomy and osteology of the rabbit or other common mammal. The brain and eye of the sheep, and the skull of the dog may be substituted for those of the rabbit.

H.—A general classification of the animal kingdom with the characteristics of the principal phyla.

I.—Reproduction, sexual and asexual; ova and spermatozoa; oogenesis and spermatogenesis. The elementary facts of the fertilisation and segmentation of the ovum, the outlines of the development and larval history of the frog, the three primary germ-layers and the organs derived from them.

II.—Botany.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—The structure and germination of seeds, the morphology of the root stem and leaf. The chief types of floral structures. The chief types of inflorescene and the common types of fruits.

B.—The parts of a typical vegetable cell, the cell contents and their microchemical reactions, the division of a cell, the chief types of plant tissues. A comparative study of the internal structure of the root, stem and leaf of the Angiosperms. The structure of the reproductive organs of the Angiosperms.

C.—The structure of Bacillus subtilis and the modes of nutrition among the Bacteria.

D.—The structure, physiology, and life-histories of Ulothrix, Spirogyra, Mucor and yeast.

E.—The structure and life-histories of a moss and a fern, and the phenomenon of alteration of generations.

F.—The life-history of Angiosperms. General structure of flowers and fruits, recognition and economic importance of the following families :—

Cruciferae, Malvaceae, Leguminosae, Compositae, and Liliaceae.

G.—An outline of the classification of the vegetable kingdom to illustrate grades of structure and methods of reproduction.

H.—Elementary plant physiology ; stability of the plant body ; the usual constituents of plant food ; assimilation ; transpiration ; respiration ; the main facts about growth ; the chief types of movements.

Practical Work.

Students are expected to keep a record of all practical work in a special laboratory sketch-book, which will be liable to examination by the examiners. The laboratory instructors should sign the result of each day's practical work.

A.—The microscopical study of Amoeba and Hydra ; the study of Hydra by means of transverse and longitudinal sections.

The general dissection of the earthworm, cockroach, and frog ; life-history of the mosquito ; a microscopical study of the chief animal tissues from fresh or prepared preparations of muscle, nerve, cartilage, bone, blood, and connective tissue ; the microscopical study of the earthworm by means of fresh preparations and transverse sections ; a microscopical examination of the kidney, liver, spinal cord, stomach, ovary, and testis of the frog. The skeleton of the frog.

The osteology of the rabbit, substituting the skull of the dog for that of the rabbit, and the dissection of the alimentary, vascular, and reproductive systems of that animal.

B.—The dissection of plants and parts of plants ; the preparation, simple staining and study of microscopical sections of plants. A practical study by microscopical examination and otherwise of bacteria, yeast, Syirogyra, Ulothrix, Mucor, a moss, a fern, and the vegetative and reproductive organs of Angiosperms treated in an elementary manner.

The description of a flowering plant and its parts in semi-technical language.

(Where fresh material cannot be obtained recourse should be had to prepared specimens).

Text-books suggested :—

1. PARKER and BHATIA : Elementary Course of Practical Zoology. (Macmillan.)
2. HOLMES : Biology of the Frog. (Second edition).
3. MARSHALL and HURST Practical Zoology. (Murray.)
4. RANGACHARI : Hand-book of Botany for India (Varadachary and Company, Madras, 1925).
5. GAGER : Fundamentals of Botany. (Blakiston).
6. HUXLEY : Elementary Physiology. (Macmillan).

7. SHIPLEY : Life. (Macmillan).

8. TRANSEAU : General Botany (World Book Company, New York).

9. BAHL, K. N. : Indian Zoological Memoirs. I, Pheretima (Methodist Publishing House, Lucknow) 1926. Rs. 1-8-0.

10. SMITH, OVERTON and OTHERS : Text-book of General Botany (second edition). (Macmillan and Company).

APPENDIX.

Instructions for the teaching of Biology.

1. The teacher must consider the purpose for which he teaches Biology—to prepare students for the university, for medical and forest colleges, and for more intelligent and more joyful living. Biology deals with the world of life surrounding the student, and every effort should be made to present Biology as a living subject. rather than as a vast mass of unrelated and (to the students) often meaningless facts to be memorized.

2. Teachers may take more liberty in teaching Biology than has been considered possible in the past. They should feel that they are not too rigidly bound by the syllabus. Much of what is commonly accepted as the interpretation of the syllabus, and as the proper content of Biology, is a tradition from the past. Teachers may, to a much larger extent, determine for themselves what they are to regard as the proper things to include in their teaching, and the proper emphasis to be given to these things ; the syllabus will then become a friendly guide.

3. The syllabus is a record of work that ought to be covered, and the teacher may take up the various topics in whatever order he thinks best.

4. The additional items in the new syllabus are not intended to enlarge the syllabus, but to shift the emphasis given to the various parts of it. For instance, it is not intended that the cockroach shall be studied in minute detail, but that it shall be made the basis for acquaintance with the great assemblage of arthropods. The mosquito is to illustrate metamorphosis, and is used because of the great importance of mosquitoes to man, because it can be observed anywhere, and because it can be readily reared in the laboratory. The mosquito is to illustrate also the carrying of disease by insects, and the malaria-parasite is an illustration of a disease producing organism transmitted by an insect. The economic and bionomic importance of these animals is to be emphasized, rather than complete details of their structure.

Likewise, it is intended to allow considerable freedom to the teacher by permitting the use of mammalian types that are most readily available. The purpose is to become acquainted with the characteristic features of mammalian anatomy, rather than with minute details of one animal only, to the exclusion of all others.

In Botany more emphasis should be put on what plants do, and how they work, than on extensive study of various growth forms, which have little meaning for the students unless correlated with the great problems of plant economy. Moss is added to the syllabus as a simple, clear, and easily accessible plant illustrating sex organs and alteration of generations; it should be treated from this point of view, and no effort should be made to consider its anatomy in the detail usually regarded necessary in the fern.

DRAWING.

There will be two papers, each of three hours' duration : the first paper on Solid Geometrical Drawing and the second paper on Free Arm Memory Drawing.

Syllabus—

Free Arm.—In Pastels on Tinted Paper or Water Colours on white Cartridge paper.

Progressive work in groups of the common objects listed for High Schools such as—

Plate of Oranges, Tomatoes, and Bananas ; Candlestick and Matches, Ink-pot and Pen, Gloy Bottle and Brush ; Bundles of Fire-wood ; Glass of Water or Milk, Chinese Lantern, Liquids in Bottles ; Umbrellas, etc.

Nature Study Advanced.—The more difficult Flowers, Bunches of Flowers, Leaves with Fruit and Flowers, Compound Leaves.

The above, which is but suggestive, will involve instruction in the art of blending colours, colour harmonies, colour schemes and shadows, together with technicalities such as tint-softening, blending, direct colouring, light tint on dark and dark on light, use of opaque colours and backgrounds.

Memory Drawing (*a*)—Object such as listed above which may be placed before students for a limited period, after which the object shall be taken away and the drawing made.

(*b*) The drawing of some familiar and common objects entirely from memory.

A number of small objects may be placed once a week on a covered up tray, exposed, say, for ten seconds, and the class be asked to write down as many objects as they remember to have seen.

Text-books recommended.—Pastel work, vols. I and II, by H. A. Rankin (Messrs. Isaac Pitman & Sons). Price Rs. 4 per vol

Materials.—As for the High School Examination of 1931 (Free Arm.)

Geometrical.—Solid Geometry, simple solids, plans, elevations, sections and sectional elevations of such, isometric orthographical projection, elementary perspective drawing, and all forms of Plain and Diagonal Scales.

Text-books and Materials.—As for the High School Examination of 1931 (Geometrical).

ECONOMICS.

There shall be two papers of three hours each. The first paper shall cover Production, Consumption and Taxation, and the second paper Exchange and Distribution.

Introductory.

Subject-matter. Relation to other sciences. The development of Economic life.

Production.

Relation between wants and production. The factors of production.

Land.—Natural resources of India. Soil and Climate. Sources of power. Raw materials.

Labour.—Density and distribution of population in India. Health and vital statistics. Occupations.

Capital (*fixed and circulating.*)—Building and machinery. Means of communication and transportation in India. Irrigation.

Organization (*management plus enterprise*).—Combination of the factors of production in village industries and in factories. Efficiency of the factors of production. Different uses and how efficiency increases. Efficiency of labour increased by education. Division of labour and specialization of machinery. Large scale produc-

tion and its limitations. Diminishing and increasing returns. Development of industrial organization. Its relation to means of transportation. Accompanying changes in rural industries and in agriculture in India. Extensive and intensive cultivation.

Exchange.

Utility.—Marginal and total utility. Law of diminishing utility. Law of demand. Elasticity of demand.

Barter.—Conditions of barter. How both parties gain in utility by exchange.

Exchange by sale and purchase. Demand and supply schedules and curves. Balancing of demand and supply in a local market. Relation of price to expenses of production. Changes in the expense of production. The development of markets. Causes of the extension of markets. India's imports and exports.

The machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the *Sahukari* system in the villages and the *Sarafi* system in cities). Convertibility of paper money in India. Cheques and Hundies (*Foreign exchanges are excluded*).

Distribution.

The problem of distribution.

Rent.—The law of rent as applied to India. Land tenure in the United Provinces.

Salaries and Wages.—Real and money wages. Wages as determined by supply and demand of labour. The standard of living. Mobility of labour in India. Influence of social customs.

Interest.—Net and gross interest. Mobility of capital in India. Principles of co-operative credit and its advantages for India.

Profits.—As the reward of enterprise. The field for enterprise in India.

Consumption.

Satisfaction as the end of all economic activity. Wants and their classification. Division of income among different items of expenditure. Family budgets. Relations of saving to spending. The social side of spending.

Taxation.

A description of the taxes and other sources of revenue and items of expenditure of the Imperial Government of Bombay, and the Province or State in which the College is situated; simple distinction between direct and indirect taxes. (Nothing of the theory of taxation is to be taught).

The following books should be consulted :—

1. *Penson.*—Economics of Everyday Life : Parts 1 and 2. (Cambridge University Press).
2. *Moreland.*—Introduction to Economics for Indian students. (Macmillan & Co.).
3. India in 1928 (the latest edition of the publication available in July, 1927, being recommended), published by the Central Publicity Office. (Chapters dealing with economic progress only are to be read.)
4. *P. Banerjee.*—A study of Indian Economics (third edition, 1927). (Macmillan & Co.).

Teachers should also consult—

1. *V. G. Kale.*—Indian Economics. (Aryabhusan Press, Poona).
2. *Marshall.*—Economics of Industry. (Macmillan & Co.)
3. *Chapman.*—Elementary Economics.
4. *Jack.*—Economic Life of a Bengal District. (Clarendon Press, Oxford.)

5. *Mann.*—Life and Labour in a Deccan Village. (Oxford University Press).
6. *B. G. Bhatnagar.*—Bases of Indian Economy. (Ram Narain Lal, Allahabad).
7. *Lettice Fisher.*—Getting and Spending : (Collins Clear Type Press, London.) 3*s.* 6*d.*
8. *R. K. Mukerjee.*—Groundwork of Economics. (Longmans.)
9. *Fairchild.*—Elements of Economics.
10. *F. H. Robinson.*—Elements of Economics, Books I and II.
11. *Dori Lal Dubey.*—Elementary Indian Economics (Indian Press, Allahabad) Rs. 3-12.
12. *Frank O'Hara.*—Introduction to Economics.
13. Report on an enquiry into working class budgets in Bombay by G. Findlay Shirras. (Government of Bombay Labour office.)

Teachers should give facts and figures from the latest edition of the Indian Year Book ("Times" Press).

Practical Work.

Teachers should take out students to study small industries, markets, and conditions of living in both city and country. The principles should be illustrated from these studies. The following is the minimum amount of practical work that should be done by students :—

(1) Two budgets of consumption : one of an artisan, one of a cultivator, if possible, with the student's own suggestions for improvement.

(2) Two statements showing the expenses of production, for one month, or a longer period, or for a fixed quantity of product, of two small industries, with suggestions for the improvement of the industry.

(3) Four diagrams illustrating the above four statements.

(4) Two maps representing economic conditions in India or parts of India.

Written Work.

Teachers should insist on as much written work as possible. The following methods are suggested :—

NOTE.—Teachers should not usually dictate notes, but should require students to write out their own notes after each lecture from rough notes taken in class and from memory. These notes should be inspected and corrected by the teacher.

Questions.—At the beginning of the lecture period teachers should frequently give out a single question on the work of the day before and allow the student 5 or 10 minutes to write out the answer, which should be corrected and returned to the students.

Essays.—Occasional essays may be assigned.

The following written work is the minimum to be done by each student :—

(1) Two long examinations of at least $2\frac{1}{2}$ hours each or six one period tests, or one such examination and three such tests.

(2) Ten questions set in class to be answered in about ten minutes each.

(3) Two essays of about ten pages, or four essays of about five pages. (One long essay and two short essays are advised.)

CIVICS.

There will be two papers of three hours each : the first paper on Civic Theory and the second paper on Indian Civics.

Paper I.—Civic Theory.

Syllabus—

Nature of society. The state in relation to society. Functions and structure of government, forms of government. The place of local institutions in political life. Meaning of citizenship. Benefits from society, state or local institutions to the citizen. Duties and rights of citizenship. A citizen's participation in the life of his town, his province, his country. A citizen's relations with non-political associations like the colleges, clubs, religious organizations, co-operative societies, etc.

Books recommended :—

1. Raleigh .. .. Elementary Politics (Oxford University Press).
2. Lay .. .. .. Citizenship (Macmillan & Co.).
3. Sir Henry Jones.. Principles of Citizenship.
4. Bryce .. Hindrances to Good Citizenship.

Paper II.—Indian Civics.

Syllabus—

Structure of Indian government, central and provincial. Working of Indian government. Indian municipalities, district boards, village institutions, with particular reference to those of the United Provinces of Agra and Oudh. Education in India. Indian social life. Cultural movements in Modern India. National movements in modern India.

Books recommended :—

1. Marris and Garner, Civil Government (Sanyal & Co., Calcutta).
2. G. Anderson ... British Administration.

3. S. M. Bose .. Working of the Indian Constitution (Oxford University Press).
4. Mrs. A. Besant .. India : A. Nation.
5. Farquhar .. Modern Religious Movements in India.
6. C. F. Andrews .. Renaissance in India (Ganesh & Co., Madras).

HISTORY AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

Paper I.—Indian History from the earliest time to the present day.

Books recommended :—

1. LANE-POOLE, S. : Mediæval India (Story of Nation's Series). (T. Fisher Unwin, Ltd.).
2. SMITH, V. A. : The Oxford History of India. (Clarendon Press, Oxford).
3. ROBERTS, P. E. : Historical Geography of the British Empire, Vol. VII, Parts I and II. (Clarendon Press, Oxford).
4. Imperial Gazetteer, Vol. II.
5. R. AIYANGAR : Pre-Musalman India. (Longmans, Green & Co.).
6. A. YUSUF ALI : The making of India (A. & C. Black, Ltd., London—Agents in India, Macmillan & Co.).

Paper II—Either (*a*) Outlines of Modern European History from 1500 A.D. to 1914 A.D. (excluding the War period).

Books recommended :—

1. RAMSAY MUIR : Atla o European History.
2. A. J. GRANT : History of Europe. (Longmans, Green & Co.).

3. THATCHER and SCHWILL : History of Europe. (John Murray, London.)
4. J. H. ROBINSON : History of Western Europe. (Ginn & Co., Boston, New York, U. S. A.)

Or (*b*) Modern English History from 1485 A.D. to 1914 A.D. (excluding the War period).

Books recommended :—

1. WARNER and MARTEN : Groundwork of English History. (Blackie & Son., Ltd.).
2. R. B. MOWAT : A new History of Great Britain. (Oxford University Press.)
3. S. R. GARDINER : A School Atlas of English History. (Longmans, Green & Co.)

HISTORIES OF GREECE AND ROME AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

Paper I.—History of Greece.

Books recommended :—

1. EDMONDS, C. D. : Greek History for Schools (Cambridge University Press.)
2. J. B. BURY : Greek History for Beginners.
3. E. ABBOT : Pericles. (G. Putnam & Sons.)

Paper II.—History of Rome.

Books recommended :—

1. BRYANT, E. E. : A Short History of Rome. (Cambridge University Press.)
2. SHUCKBURGH : Augustus.
3. SHUCKBURGH : A Short History of Rome for Beginners.

GEOGRAPHY.

There will be two papers of three hours each. The first paper will contain questions on Part I of the syllabus and the second paper on Parts II and III of the syllabus.

Syllabus.

I.—World Geography with intensive study of the regional Geography of Eurasia and North America *compared*, or of the three southern continents compared.

NOTE.—Teachers will be expected throughout to develop the human side of Geography including the relations of Geography and History.

II.—Study of the survey map with special reference to 1 : 10,00,000. Survey of India and Adjacent Countries Series, sheet no. 43 (Srinagar) or no. 52 (Leh), or no. 53 (Delhi and Simla). also 1 inch Survey of India Map no. 63K/12. Study of the principles of the chief map-projections, such as. Cylindrical (Mercator). Orthographic, Stereographic, Spherical, Conical. Elliptical (Mollweipe). Study of the weather maps for the months of January, 1930 and July, 1930, published by the Meteorological offices, Simla, and of other distribution maps.

The work should show that out-door geographical studies including practical map-work have formed a feature of the course.

III.—Economic Geography with special reference to India. The world position of India : its natural resources, its economic development. The general relation between geographic factors and the production of the major raw materials and food-stuffs. Sources of power. Factors affecting transport, exchange of commodities, and the localization of major industries.

The world distribution of the following vegetable products :—

Wheat, rice, tea, coffee, vine, cotton, jute, sugar, rubber, tobacco. Conditions of their growth.

Books recommended :—

I.—Russell : North America (Oxford). 10*s*. 6*d*.

Rodwell-Jones and Bryan : North America (Methuen). 21*s*.

Dawson : North America. Vol. I (Stanford). 15*s*.

Gannett : North America Vol. II (Stanford). 15*s*.

Keane : Asia. Vols. I and II (Stanford). 15*s*. each.

Chisholm : Europe. Vols. I and II (Stanford). 15*s*, each.

Keane : Central and South America. Vols. I and II. (Stanford). 15*s*.

Keane : Africa. Vols. I and II (Stanford). 15*s*. each.

Mackinder : Britain and the British Seas. (Oxford). 10*s*. 6*d*.

George : Relations of History and Geography (Oxford). 5*s*.

Little : The Far East (Oxford). 10*s*. 6*d*.

Griffith Taylor : Australia—Physiographic and Economic. (Clarendon Press). 3*s* 6*d*.

McMunn and Coster : A Regional Geography of Europe. (Oxford). 4*s*. 6*d*.

Unstead and Taylor : Regional and General Geography for Students. (Philip). 7*s*. 6*d*.

Leonard Brooks : New Regional Geography, Book IV. The World (London University Press). 7*s*. 6*d*.

} May be used as text-books by the students.

II.—Esson and Philip : Map-reading Made Easy. (Philip). 3*s*. 6*d*.

Dickson : Maps, how they are made, how to read them. (Bacon). 6*d*.

Young and Fairgrieve : A class-book of Practical Geography. (Philip). 2*s*. 6*d*.

Simmons and Richardson : An Introduction to Practical Geography (Macmillan). 4*s*.

Unstead : Practical Geography (Oxford). 4*s.*

Mort : An Elementary Practical Geography (Blackie). 2*s.* 6*d.*

Davis : Elementary Meteorology (Ginn). List price, $2·50.

III.—Chisholm : Commercial Geography (Longmans). 25*s.*

Carr : Commercial Geography (Black). 4*s.*

Lyde : Man and His Markets (Macmillan). 3*s.*

Herbertson : Man and His Work. 1*s.* 6*d.*

Statesman's Year Book (Macmillan). 20*s.*
Whittaker's Almanac. 4*s.*
} Every two or three years.

Indian Year Book. ("The Times of India" office). Rs. 7-8-0. To be used as a text-book.

Imperial Gazetteer of India. Vols. III and IV (Oxford). 7*s.* 6*d.* each.

Atlas of Commercial Geography (Cambridge University Press). 3*s.*

The Oxford Economic Atlas (Oxford). 6*s.*

Additional reference books :—

Lake : Physical Geography (Cambridge University Press). 12*s.*

Salisbury : Physiography for Schools. Shorter Course. (Murray). 6*s.*

Davis : Elementary Physical Geography (Ginn). 5*s.* 6*d.*

Tarr : Elementary Physical Geography (Macmillan). 7*s.* 6*d.*

Mill : The Realm of Nature (Murray). 5*s.*

Philip's sets of maps of the various continents and of India, *with explanatory handbooks.*

Philip's sets of synthetic maps (for students' use). 1*s.* per packet.

Philip's Modern School Atlas of Physical, Political and Commercial Geography. 7*s*. 6*d*.

LOGIC.

There will be two papers of three hours each : the first paper on Deductive Logic and the second paper on Inductive Logic.

Deductive Logic.

The following syllabus is prescribed—

Definition, scope, and value of Logic. Nature of thinking. The laws of thought. The relation of thought and language. Terms and their classification. Denotation and Connotation of terms. The predicables. Formal division and definition. Propositions, their import. Reduction of statements to logical form. Distribution of terms. Nature and forms of inference. The opposition of propositions and various forms of deduction. The syllogism, its figures and moods. Reduction, direct and indirect. Hypothetical, disjunctive and mixed syllogisms. The Dilemma, Enthymeme. Sorites and Epicheirema. Function and value of syllogism. Analysis of deductive arguments. Fallacies.

Inductive Logic.

The following syllabus is prescribed :—

The nature and presuppositions of inductive inference. Causation, its significance and importance in induction. Observation and experiment. Classification, nomenclature and terminology. Hypothesis. Imperfect induction—simple enumeration and analogy. Methods of scientific induction. The deductive method of investigation. Analysis of inductive arguments and application of inductive methods. Explanation and establishment of laws. The relation of induction to deduction. Fallacies.

Books recommended (*not prescribed*) to indicate the standard of treatment of the topics prescribed in the syllabus :—

1. Introductory Text-book of Logic : S. H. Mellone. (Blackwood and Sons, Edinburgh).
2. Intermediate Logic : Welton and Monahan. (University Tutorial Press, London).
3. Elementary Logic, Deduction and Induction : Diwan Chand. (Narayan & Co., Meston Road, Cawnpore.)
4. Inductive Logic : P. K. Ray.

A MODERN INDIAN LANGUAGE.

Hindi.

There will be three papers, each of three hours' duration : the first paper will be set on the prescribed Poetry and Alankar, the second paper on the prescribed Prose and Drama, and the third paper on Unseen and Composition. Question on History of Hindi literature and critical question will be distributed over the first and second papers.

Paper I.—Poetry and Alankar.

Text-books prescribed :—

1. Tulsidas रामलला नहछू, बरवै रामायण, पार्वती मंगल, जानकी मंगल (printed in one volume) *or* तुलसी—संग्रह by Pandits Kashi Rama and Dwarka Prasad Sharma. (Ram Narayan Lal, Allahabad.)
2. बाल कृष्ण Part II of सूरपंचरत्न edited by Lala Bhagwan Din.
3. Din Dayal Giri.—अन्योक्ति कल्पद्रुम (Nagari Pracharini Sabha, Benares).
4. Maithili Sharan Gupta—जयद्रथ वध (Sahitya Sadan, Chirgaon, Jhansi.)

Paper II.—Prose and Drama.

Text-books prescribed :—

1. Jai Shankar Prasad—अजातशत्रु (revised edition). (Sahitya-sadan, Chirgaon, Jhansi).
2. Shyamsundar Das—गद्यकुसुमावली (Indian Press, Allahabad).
3. Premchand—प्रेम द्वादशी (Ganga Pustak Mala, Lucknow).

Paper III.—Unseen and Composition.

Books recommended for Alankar and History of Hindi Literature :—

1. Ram Ratna—अलंकार प्रबोध (Ratnasram, Agra.)
2. सरलपिंगल (Hindi Sahitya Sammelan, Allahabad.)
3. Badri Nath Bhatta—हिन्दी (Ganga Pustak Mala, Lucknow.)
4. Kaye—Hindi Literature (Heritage of India Series.)

The following books are recommended for supplementary reading :—

1. Tulsidas—कवितावली (N. P. Sabha, Benares.)
2. Surdas—सूरपदावली (Hindi Sahitya Sammelan, Allahabad.)
3. Shridhar Pathak—एकान्तवासी योगी (Padmakot, Allahabad.)
4. Badri Nath Bhatta—दुर्गावती (Ganga Pustak Mala, Lucknow.)
5. Mishra Bandhu—आत्म शिक्षण (N. P. Sabha, Benares.)
6. Ramchandra Shukla—शशाङ्क (N. P. Sabha, Benares.)
7. Viyogi Hari—अन्तर्नाद
8. Pratap Narayan Misra—निबन्ध नवनीत (Abhyudaya Press, Allahabad.)
9. Ramchandra Varma—छत्रशाल (Hindi Grantha Ratnakara, Bombay.)
10. Padum Lal Bakshi—उद्भपात्र (Gandhi Hindi Pushtak Bhandar, Allahabad.)

Urdu.

There will be three papers in this language, each of three hours' duration; the first paper will be set on the prescribed Prose, the second on the prescribed Poetry, and the third on Unseen and Composition. Critical questions will be set in the first and second papers.

Paper I.—Prose and Grammar.

Books prescribed :—

(1) سخندان پارس حصه اول محمد حسین آزاد from page 2 یورپ میں علم زبان up to page 54 ending with ایسے تلطا گفتہ باشد

(2) آبحیات نظم اُردو کي تاریخ محمد حسین آزاد from موتیوں سے بھر دیگی up to فلاسفہ یونان کہتے ھیں

(3) شعرالعجم حصہ ۴ باب اول شاعري کي حقیقت علامہ شبلي the whole of the 1st Chapter.

(4) اُمید کي خوشي (c) تکمیل (b) تعصب (a) مضامین سر سید (d) سراب حیات (e) خود غرضي (f) انسان کے خیالات (g) بحث و خط و کتابت (j) اخلاق (i) اپني مدد آپ (h) تکرار

(5) شریف زادہ مرزا ھادی رسوا by National Press, Allahabad, 1st edition, 59 pages ending with دونہ آرزوئیں دلوں میں رہ گئیں

Grammar.—Majma-ul-Fawaid by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Katra, Allahabad).

Paper II.—Poetry and Grammar.

(۱) سودا – آیا عمل میں تیغ سے تیري یہہ کارزار
سودا – اب سامنے میرے جو کوئي پیر و جواں ھی
(شہر آشوب)

omit lines 48, 49, 62, 63, 86, 94.

(۲) ذوق – ساون میں دیا پھر مہ شوال دکھائي
ذوق – واہ وا کیا معتدل ھی داغ عالم کي ھوا

(۳) منیر – آئنۂ سخن کے لیئے ھو گہر آب میں

(۴) امیر – فصل گل آئي ھوا گلزار جنت بوستان

(۵) انیس – یارب چمن نظم کو گلزار ارم کر

(٦) وحید - اے قلم دامن کاغذ پہ گہر ریز ہو پھر
(٧) حالی - مرثیۂ غالب
حالی - چپ کی داد
(٨) - چکبست
خاک ہند
سیر دھرمدون
گوپال کرشن گوکھلے
راماین کا ایک سین
(٩) - اقبال
شمع و شاعر
تصویر درد
گورستان شاہی
(١٠) جوالا پرشاد برق - مثنوی بہار (از گلدستہ پنجم)
(١١) صفی - نظم الہ آباد - اے الہ آباد اے جولا نگہ گنگ و جمن
(از صحیفۃ القوم - دفتر شیعہ کانفرنس - لکھنؤ

Grammar :—

Majma-ul-Fawaid by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Booksellers, Katra, Allahabad.)

Paper III.—Unseen and Composition.

Books recommended :—

1. جذبات فطرت حصہ اول by الیاس برنی [not the same book of the new series (ترتیب جدید).]

2. گلدستہ مضامین Selected Essays by M. Zafar Husain Asi. (National Press, Allahabad).

There will be three papers in each of the following languages. Each paper will be of three hours ; the first paper will be set on the prescribed Poetry and Drama, the second on the prescribed Prose, and the third on Unseen and Composition. Critical questions will be set in the first and the second papers :—

Bengali.

Poetry.

1. *Kirtibas.*—Ramayan, Ajodhya Kanda.

2. *Rabindra Nath Tagore.*—Naivedya (Viswa Bharati Series).

3. Karnarjuna (drama) by Aparesh Chandra Mukhopadhyaya (Guru Das Chatterji and Sons, Calcutta). Re. 1-8.

Prose.

1. *Bankim Chandra Chatterji.*—Durgesh Nandini (novel).

2. *Ishanchandra Ghosh.*—Jatak, Volume I (nos. 1—25 and introduction).

3. *Hara Prashad Sastri.*—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition. (Recommended.)

Marathi.

Paper I, Poetry.—

1. , by Anna Kirloskar (the Arya Bhushan Press, Poona).
2. Selections from Tukaram, as published in the latest edition of the Navanit.

Paper II, Prose.—

1. Ragini (novel), volumes I and II, by Vaman Malhar Joshi (Manoranjak Grantha Prasarak Mandali, Bombay).
2. Jiwan Smriti (Manoranjan Grantha Prasarak Mandali, Bombay).

Paper III, Unseen and Composition.—

, by Mr. Vidyadhar Vaman Bhide (Chitrashala Press, Poona city).

A MODERN EUROPEAN LANGUAGE.

There will be three papers of three hours each. The first paper will consist of extracts from the prescribed Text-books, together with grammatical questions. The second paper will contain Unseen passages for trans-

lation from French into English ; these passages are not to be taken from the prescribed Text-books. The third paper will consist of a passage or passages of English prose to be translated into French.

French.

Prescribed Text-books :—

1. ERCKMANN-CHATRIAN : Le Conscrit.

2. MICHAND : Conteurs Francais d'aujourd'hui (Heath).

3. French poetry for advanced students by A. Watson Bain (Macmillan & Co.), of which poems numbered 2, 15, 23, 24, 30, 34, 35, 38, 43, 57, 61, 75, 102, 108 and 116 are prescribed.

Grammar recommended :—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar. (Harrap).

Books recommended for rapid reading :—

La Bastide Ronge (Elie Berthet), La Rose Blanche (Louis Enault) and La Vie de Polichinelle (Octave Feuillet), all of Siepmann's French series (Macmillan & Co.).

Book recommended for French Composition :—

Easy steps in French Composition by Horsley and Bonne (Rivington).

A CLASSICAL LANGUAGE.

There will be three papers of three hours each in each of these languages : the first paper will be on Poetry and Drama, the second paper on Prose and Unseen, and the third paper on Grammar, Composition and Translation into the classical language. Questions in Grammar relating to the text may be included in each of the first two papers.

(*a*) Sanskrit.

Paper I.—Poetry and Drama—

(*a*) Raghuvamsha, Canto XIII (as in Aṣtapuspikā by Nilkamal Bhattacharya or in any other edition).

(*b*) Shakuntala, Act IV (as in Aṣtapuspik by Nilkamal Bhattacharya or in any other edition).

NOTES.—1. Students are expected to explain selected passages in their own Sanskrit.

2. No Prakrit passages shall be set for the examination.

Paper II.—Prose and Unseen—

(*a*) Prose—Chandrāpîda Charitam (the story of Kādambari written concisely in Bana's own words), by Pandit V. Anantcharya, published by the editor in 1917, Nungambaukam, Madras, and printed at the Law Printing House, Mount Road, Madras, price annas 6.

(*b*) Unseen—

(1) Bhāratānuvernanam भारतानुवर्णनम् by M. M. T. Ganapati Sastri (Shridhar Power Press, Trivandrum).

(2) Shakuntalopākhyana from the Mahabharata.

NOTE.—Easy passages from the abovementioned books and similar passages from other similar books should be set for translation.

Paper III.—Grammar, Composition and Translation.

Books recommended :—

1. Apte's Guide to Sanskrit Composition.
2. Kale's Higher Sanskrit Grammar.
3. Vidya Bhushan's Sanskrit Grammar.
4. Bhandarkar's Second Book of Sanskrit.

In addition to the course in Grammar prescribed for the High School Examination of 1931 the course in Grammar for the Intermediate Examination of 1931 shall consist of the following :—

The remaining declensions of all nouns and pronouns, conjugations of verbs of frequent occurrence in classical

literature of all the *ganas* in all the *lakaras*, the use of *karakas*, the *samasas*, and the *krit* and *taddhita* forms.

N.B.—Sanskrit must be written in Devanagari character.

(*b*) Arabic.

Paper I.—Poetry and Unseen.

Text :—

(*a*) حسان بن ثابت

عفت ذات الاصابع فالجواء ـ ١
هل رسم دارسة المقام يباب ـ ٢
عرفت ديار زينب بالكثيب ـ ٣
صلى الاله على الذين تتابعوا ـ ٤
الا والله ماتدري هذيل ـ ٥
والله انالانفارق ماجد ـ ٦
وشق له من اسمه كي يجله ـ ٧
مابال عيني لا تنام كانما ـ ٨
اليت حلمة بر غير ذي دخل ـ ٩
تاوبني ليل بيثرب اعسر ـ ١٠
اظن عيينة ان زارها ـ ١١
الا ياالقوم هل لماحم دافع ـ ١٢
اعرض عن لعوراء ان اسمعتها ـ ١٣
لقد جدعت اذان كعب و غامر ـ ١٤
اذالله حيا معشرا بفعالهم ـ ١٥
ذهبت بابن الزبعري وقعة ـ ١٦
ولقد بكيت و عز مهلك جعفر ـ ١٧
لقد ورث الضلالة عن ابيه ـ ١٨
ابا لهب ابلغ بان محمدا ـ ١٩
الله اكرمنا بنصر نبيه ـ ٢٠
هل المجدالا السودد العود والندى ـ ٢١
ايک بكت عيناک ثم تبادرک ـ ٢٢
اليمن اذالان العشير فان تكن ـ ٢٣
و بثوب تعلم انّنا بها ـ ٢٤
و ممسک بصداء الراس من سكر ـ ٢٥
ابلغ هوازن اعلها و اسفلها ـ ٢٦

سقتم كنانة جيلا من عداوتكم – ٢٧
لو حلق اللبم انسانا يكلمهم – ٢٨
ثوى بمكة بضع عشرة حجة – ٢٩

	(b) شعرالنصرانيه	Page	No. of lines.	Poet.
(1)	اذكر حاجتي ام قد كفاني	220	9	امية ابن الصلت
(2)	الم تران الورد عرد صدره	94	4	قبيصة ابن النصراني
(3)	بكيت لفرسان و حق لناظري	147	7	براق
(4)	لقد نصحت لاقوام و قلت لهم	616	9	ورقة بن نوفل
(5)	أ اجمع صحبتي السحر ارتحالا	201	6	عمرو بن كلثوم
(6)	فلم تبصير لنا غطفان لما	208	11	زهير بن حباب
(7)	لقيت تغلب كصبة عاد	243	9	فقعس الزماني
(8)	انما جاري لعمري فاعلموا ادنى عيالى	246	8	جساس بن مرة
(9)	يا كعب ابل لو قصرت على	254	9	عبدالمسيح بن عساء
(c)	حماسه	28	22	سمؤل بن عاديا
	اذا المرء لم يدنس من اللوم عرضه			
(d)	رياض الادب	147	6	حقيقة بنت عمرو والباهلية
	كنا كغصنين في جرثومة سمقا			
	ديوان الخنساء	41	10	الخنساء بنت عمرو
	اعيني جودا ولا تجمدا			

Dr. A. S. Tritton's edition of these selections is approved.

Unseen.

Recommended:—

نوادرالحكايات by قليوبي 1st half.

Paper II.—Prose and Unseen.

Text :—

(*a*) ابن خلدون (The Biography of the Prophet).

(*b*) Tajaribul Umam, Eclipse of the Abbaside Caliphate, volume I, pages 83 to 91. Imprisonment of Um

Musa, the stewardess, and appointment of Ibn Furat as Wazir, 310 to 311 Hijra, pages 202 to 246.

Unseen.

Recommended :—

نوادرالحكايات by قليوبي 1st half.

Paper III.—Grammar, Composition and Translation into the classical language.

Grammar :—

مدارج العربيه by M. Izzat Ullah (Chashmai Rahmat Book Agency, Ghazipur, United Provinces).

NOTE.—Arabic words must be written in Arabic character.

(*c*) **Persian.**

Paper I.—Poetry and Unseen.

Text :—

(1) ديوان عندليب 1st 15 Ghazals.

(2) ديوان نظيري 1st 15 Ghazals.

(3) قصائد سلمان ساوجي

(*a*) سران ملک را شمشيو تو مالک رقاب ے

(*b*) باد سحر گهي بهواے تو جاں دهد

(*c*) بدل رسيدہ سحر گاہ در مقام حضور

(4) قصايد ظهيري فاريابی

(*a*) سپيدہ دم چو شدم محرم سراے سرور

(*b*) سپيدہ دم چو زند ابر خيمہ در گلزار

(*c*) شرح غم تو اذت شادي بجان دهد

(*d*) چوں بر زمين طليعہ شب گشت آشکار

(5) يوسف و زليخا

(*a*) بخواب ديدن يوسف مادر و پدر خود را up to بلے هر کس زغم دارد داے تنگ

(*b*) هزاراں فيض بر جان up to وفات يافتن يوسف و تنش باد

Unseen.

Recommended :—

دیوان عندلیب 21—41 Ghazals (Anwarul Matabay, Victoria Street, Lucknow).

Paper II.—Prose and Unseen.

Text :—

1. جنگ‌نامهٔ نعمت خان عالي
2. سوانح شیخ علي حزیں from the beginning up to بطبع مردم بیگانه زیاده ملایمت نکنند
3. نامهٔ خسروان from حالات هوشنگ up to که تازیان سلیمان دانند
4. توزک جهانگیري from عنایات بیغایات الهي up to از کدورتها بصفا مبدل گردید
5. آئین اکبري Sir Syed Ahmad's edition, volume III, pages 291 to 298 from گفتار دلاویز شاهنشاهي up to میفرمودند no. 57.
6. سفرنامهٔ شاه ایران from روز دوشنبه دوم ذیقعده up to تا هوا روشن بود اینهامی رقصیدند

Unseen.

Recommended :—

1. Humayun Nama by Gulbadan Begum.
2. حالات اکبر from سیرالمتاخرین

Paper III.—Grammar, Composition, and Translation into the classical language.

Grammar :—مخزن‌الفوائد by Maulvi M. H. Nasiri, Chapters I—VII (Mission Press, Allahabad).

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Prescribed course :—

I.—Text—(1) CICERO : Pro Milone.
(2) ,, De Amicitia.
(3) LIVY : Book XXII, Chapters 1—51.
(4) VIRGIL : Aeneid, VI.
(5) HORACE : Odes, Book II.

II.—Grammar :—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

III.—Latin Prose Composition.

Book recommended :—

North and Hillard's Latin Prose Composition (Rivington).

(*e*) Greek.

Prescribed course :—

Text—(1) PLATO : Apology and Crito.
(2) SOPHOCLES : Antigone.

(*f*) Hebrew.

Prescribed course :—

I.—Text—SAMUEL : Book I.
PSALMS, I—LX.

II.—Genesis is recommended for rapid reading in connexion with Unseen.

III.—Grammar :—Duff's Hebrew Grammar is recommended.

PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(*For Female candidates only.*)

NOTE.—The subject should be taught in such a way as to be practically beneficial to the students.

There will be two papers of three hours each : the first paper will contain questions on (1) Activities of the Modern Home, (2) Physiology and Hygiene and (3) Public Health, and the second paper on Child-Study.

I.—Activities of the Modern Home.

(1) To provide for the physical needs and development of the members of the family.

(2) To provide for their mental, moral and social needs.

(3) To co-operate with the community for the better meeting of these needs.

(4) To maintain the home on an economically sound basis so as to make possible the meeting of the above needs.

II.—The study of Physiology and Hygiene, especially from the point of view of the physical development of the child.

(A) The cells, the supporting tissue and their structure.

(B) The skeleton; bones, joints, the muscular system. A special study of the conditions making for the normal development of these systems, such as posture, etc.

(C) Digestion and Nutrition.

(1) The organs and processes of digestion.

(2) The food needs of the body.

(3) The classes of food-stuffs.

(4) The diet of the pre-school and school child.

(*a*) Constipation as a special dietary problem of school children.

(*b*) Malnutrition—how to detect and remedy it.

(5) Effect of cooking on food; method of cooking with special emphasis on methods of cooking food for children.

(6) Treatment of minor digestive ailments.

(7) Alcohol and drugs and their effect on the digestive system.

(D) The excretory system—the skin, kidney, bowels. Health, habits of children in relation to the above.

(E) The circulation of the blood—the heart : arteries ; veins ; capillaries. The regulation of the blood supply. The composition of the blood and its work in the body.

The problem of the child with the weak heart.

(F) Respiration.

(1) The lungs ; trachea ; larynx ; the composition of pure and impure air ; effect of breathing on air.

(2) Formation of proper breathing habits in children. Posture ; special breathing exercises.

(3) Ventilation for the school and home.

(G) The nervous system and sense organs.

(1) The nerves ; spinal cord ; brain.

(2) The structure of the eye, ear, nose.

(3) Health habits to promote the normal development of these organs.

(4) Common defects of these organs—how to detect them.

(5) Treatment of minor ailments and accidents.

(6) The effect of alcohol and drugs on the nervous system and sense organs.

(H) Clothing.

(1) Selection of clothing, specially for children.

(2) Training of children as to care and cleanliness of clothing.

(I) Occupation, exercise, recreation, rest, sleep. Health habits to be established in children in the above.

(J) Precautions against common diseases.

(1) Health habits which will protect the child from common diseases.

(2) Health habits which will prevent the spread of infectious diseases.

III.—Public Health.

A. Responsibility of the individual.

B. Disposal of refuse and waste water. Drainage. Latrines.

C. Water supply. Food supply.

D. Prevention and arrest of infectious diseases.

E. Gardens. Play grounds. Open spaces.

F. Modern movement for the education of society in the laws of health, e.g., "Child Welfare."

IV.—Child-Study.

The study of children's development from the point of view of physique, intelligence and character, based as far as possible on the observation of individuals and classes.

An elementary study of the means by which children acquire knowledge and skill, including such as the following :—

The senses and sense training : instincts and their relation to children's interests ; forms of activity and expression ; the function of play ; imitation and suggestion ; habits and their formation, memory and imagination ; interest and attention ; the formation of clear and connected ideas ; simple processes of reasoning ; growth of the will.

The aims and methods of discipline ; training in responsibility, in the right use of freedom and in the social duties.

Books of reference.—

1. *Elementary Physiology. W. B. Drummond. 2*s. 2*d.* (Publisher, Arnold.)

2. *Elementary Hygiene for India. C. Beresford (Lahiri & Co., College Street, Calcutta).

3. Physiology and Hygiene. G. D. Cathcart (Macmillan).

4. Elementary Physiology. Bhatia and Suri (Longmans, Green & Co.).

5. Child Mind, by Dumville.

6. Modern Psychology. Meredith (Constable).

7. Dawn of Mind. Drummond (Arnold).

8. Child-welfare, by Dr. S. K. Mukherji (Indian Press, Allahabad).

9. Physiology by T. Huxley.

(The books marked* indicate the scope of the work required in Physiology and Hygiene.)

INTERMEDIATE EXAMINATION IN COMMERCE OF 1931.

The following are the subjects of examination :—

Compulsory subjects—

1. English.
2. Book-keeping and Accountancy.
3. Business Methods and Correspondence.
4. (*a*) Elementary Economics.
   (*b*) Commercial Geography.

Optional subjects—

One of the following :—

1. Steno-typing (shorthand and typewriting).
2. Elements of Banking.
3. Elements of Industrial Organization.
4. Mathematics.

The following papers will be set :—

1. *English.*—Two papers of three hours each.

2. *Book-keeping and Accountancy.*—Two papers of three hours each.

3. *Business Methods and Correspondence.*—One paper of three hours.

4. *Elementary Economics and Commercial Geography.*—Two papers of three hours each : one paper on Elementary Economics and one paper on Commercial Geography.

5. *Steno-typing* { *Shorthand.*—One paper of three hours. / *Typewriting.*—One paper of one hour.

6. *Elements of Banking.*—One paper of three hours.

7. *Elements of Industrial Organization.*—One paper of three hours.

8. *Mathematics.*—Two papers of three hours each.

No.	Subject.	Paper.	Time (hours)	Marks for each paper.	Total marks for each subject.	Minimum pass marks.
		COMPULSORY.				
1	English* ..	First paper (Prose).	3	50	100	33
		Second paper (Composition).	3	50		
2	Book-keeping and Accountancy.	First paper ..	3	50	100	33
		Second paper	3	50		
3	Elementary Economics and Commercial Geography.	First paper (Economics).	3	50	100	33
		Second paper (Geography).	3	50		
4	Business Methods and Correspondence.	One paper ..	3	100	100†	33
		OPTIONAL.				
1	Steno-typing	First paper (Shorthand).	3‡	50	100	33
		Second paper (Typewriting).	1	50		
2	Elements of Banking.	One paper ..	3	100	100	33
3	Elements of Industrial Organisation.	One paper ..	3	100	100	33
4	Mathematics	First paper ..	3	50	100	33
		Second paper	3	50		

*The same as the First and the Third papers in English for the Intermediate Examination.

†There will be two sections in the paper, viz.,—(*a*) Business Methods and (*b*) Correspondence, carrying 60 and 40 marks, respectively.

‡Excluding five minutes' interval between the dictation of the two sections in Shorthand.

The syllabus in each subject is as follows :—

English.

(The same course as is prescribed for the Intermediate Examination of 1931, excluding Poetry portion.)

Book-keeping and Accountancy.

The principles of Double Entry Book-keeping and their application. Books of original entry, including Tabular Forms. The Ledger. Trial Balance. Manufacturing, Trading and Profit and Loss Accounts, with apportionments and adjustments.

Balance-sheets. Loose Leaf and Card Index system of Book-keeping, Self-balancing Ledgers, Single Entry Book-keeping.

In the treatment of the above the following matters will be included :—Cheques, Bills of Exchange and Promissory notes ; Goodwill ; Classification of Assets ; Bad Debts ; Depreciation, Reserves and Sinking Funds ; Consignment, Joint Venture and Contract Accounts ; Partnership and Company Accounts (including the Double Account system) ; Capital and Revenue ; Investment Accounts ; Accounts Current and Average Due dates.

Books recommended :—

1. Students' Elementary Book-keeping, by Arthur Fieldhouse (Simpkin Marshall and Co., Limited, London, E. C., 4).

2. Advanced Accounts (fifthe dition), by J. R. Batliboi (S. Govind & Co., Bombay).

3. Advanced Accounts, by R. N. Carter (Pitman & Sons).

Business Methods.

1. The general routine of a Business House :— Inward and Outward correspondence (excluding draft-

ing); Methods of rapid communication; Duplicating processes.

2. The significance of Trade, Commerce, and Industry; Manufacturing and Distribution House. The buying and selling of goods. Mercantile Enquiry Agencies. Importation and Exportation of goods. Documentary Bills. Elementary Fire and Marine Insurance as applicable to this section. Use of Card Indexes.

3. The meaning of the principal commercial terms occurring in connexion with the above and the preparation of the chief documents involved, including arithmetical calculations.

4. An elementary knowledge of the Law relating to Contracts and Negotiable Instruments.

Contract Law.—Agreements that are contracts; essentials of a good contract; offer and acceptance; genuineness of consent; contractual capacity of parties; legality of objects (agreements, unlawful, immoral, and against public policy void); performance and discharge of contracts; breach of contract; damages.

Sale of Goods.—Sale of ascertained and unascertained goods, passing of ownership, delivery, actual and constructive implied warranties, rights of unpaid seller.

Negotiable Instruments.—Making, drawing, accepting and endorsing of Promissory notes. Bills of Exchange and Cheques, holder in due course, dishonour, noting and protest, presentment for payment and acceptance, acceptance for honour.

Books recommended :—

1. Modern Business Training, by John K. Grebby. (MacDonald & Evans, London.)

2. Commercial Practice by Roop Ram Gupta and K. L. Govil, Parts I and II (Messrs. Gautama Bros. & Co., Cawnpore).

Correspondence.

This will consist of—

(*a*) Draft of commercial and official correspondence.

(*b*) Rewriting in plain language of passages from market reports (financial and commodity markets) with explanations of selected terms and phrases occurring in the passage.

(*c*) Précis-writing.

Book recommended (not prescribed):—

Modern Commercial Correspondence, by John K. Grebby. (MacDonald & Evans, London).

Elementary Economics.

(The treatment of the subject should be very elementary and, as far as possible, it should be illustrated by reference to Indian conditions.)

The subject-matter and scope of Economics, fundamental notions, and simple definitions. Relation between wants, efforts, and satisfaction.

Production—Factors of production. Land, Labour, Capital and organization.

Nature and Limitations of land; Division of labour and other factors of efficiency of labour; Organization of capital.

Laws of increasing, diminishing, and constant returns.

Wants.—Diminishing utility. Value—its determination. Balancing of supply and demand.

The Machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the Sahukari system, in the villages and the Sarafi system in cities). Convertibility of paper money in India. Cheques and Hundis (Foreign exchanges are excluded).

Distribution—Rent—interest—wages—profits (with particular reference to Indian conditions).

Books recommended (but not prescribed as text-books) :—

1. Outlines of Economics, by J. T. Goodchild (University Book Dépôt, Agra).

2. PENSON : Economics of Every-day Life, Part I.

3. MORELAND : Introduction to Economics (Macmillan & Co.).

4. JEVONS : Money and Banking in India.

5. Introduction to Economics for Indian Students, by W. H. Moreland. (Macmillan & Co., St. Martin's Street, London).

6. The Economics of Everyday Life, by Sir T. H. Penson. (Cambridge University Press).

Commercial Geography.—(*a*) An elementary study of the principles of economic Geography on the basis of regional divisions, and their correlation with the distribution of the principal commercial commodities and industries.

(*b*) Trade Centres, Ports, Trade Routes.

(*c*) Detailed study of India on the regional basis on the lines indicated above.

Books recommended :—

(1) Rudmose Brown's "Principles of Economic Geography."

(2) Howarth's "A Short Commercial Geography."

TYPEWRITING.

This will be the same as in Commerce for the High School Examination of 1931, but of a more advanced character—the speed to be 30 words per minute.

There shall be no paper on the theory of typewriting.

The maximum marks and the time allotted to the papers in this subject are as follows :—

		Marks.	*Time allowed.*
Type-copying.	(*a*) Passage and letter.	35	One hour.
	(*b*) Tabular statement.	15	
	Total ..	50	1 hour.

Books recommended :—

1. Pitman's or Remington's Typewriting Manual.

2. A Typewriting Manual for Indian Students, by E. M. Moffatt and V. A. Kshirsagar (Methodist Publishing House, Lucknow).

3. The New Manual of Typewriting, by Y. D. Kashkar and Jagdish Saran (Methodist Publishing House, Lucknow).

SHORTHAND.

1. Writing in shorthand from a passage dictated at the rate of 80 words a minute, for a period of ten minutes.

2. Writing in shorthand from a business letter of general commercial phraseology, dictated at the rate of 80 words a munite, for a period of five minutes.

3. Transcription of both the above.

Book recommended :—

Pitman's Instructor, by Pitman & Sons, London.

ELEMENTS OF BANKING.

1. The nature of Banking.

2. The functions of a banker.

3. The meaning of Banking and other mercantile terms.

4. Simple banking operations.
5. The English money market.
6. Elements of foreign exchange.
7. The constituents of the Indian Money Market.
8. Indigenous Banking in India : "Shroffs" and Mahajans and their operations.
9. The Indian joint-stock Banks.
10. The Imperial Bank of India.
11. The question of a Central Bank for India.
12. The financing of Indian trade.
13. How to read the money market reports.
14. Elements of Indian law relating to bills, cheques and promissory notes.
15. Defects and causes of the backwardness of Indian Banking.
16. Development of Indian Banking.

ELEMENTS OF INDUSTRIAL ORGANIZATION.

1. The Organization of an Indian Village.
2. Landownership and methods of cultivation.
3. Obstacles to agricultural progress and remedies.
4. Cottage industries—their relation to agriculture.
5. Elements of Factory Organization.
6. Co-operation in Production and Distribution.

Books recommended :—

1. Indian Industrial Organization—Morrison.
2. Industrial Revolution—Chatterton.

Reference should be made to :—

India in 1926.

Indian Year Book.

MATHEMATICS.

Paper I (*a*).—Commercial Arithmetic, Proportion, Percentages, Stocks and Shares. Present Worth and Discount, Exchange Rates, Partnership,

Profit and Loss, Commission, Brokerage, Premium.

(*b*) *Algebra.*—The Theory, Quadratic Equations, Arithmetical, Geometrical and Harmonic Progression, Permutations and Combinations, Theory of indices and logarithms, Use of binominal and exponential theorems.

(*c*) *Trigonometry.*—Measurements of angles, trigonometrical ratios, identities and trigonometrical equations, practical applications of Logarithms; Solution of triangles, properties of triangles.

Paper II. (*a*) (1).—Pure Geometry as given in parts V and VI of Hall and Stevens' Geometry.

(*a*) (2) *Analytical Geometry.*—Straight lines, Circles, Elementary Properties of conics.

(*b*) Elements of differential Calculas.

INTERMEDIATE EXAMINATION IN AGRICULTURE OF 1931.

N.B.—Preference for admission to this course will be given to candidates who have studied (*a*) Chemistry and Physics, or (*b*) Agriculture for their admission test examination.

The following are the subjects of examination :—

Group 1.

	Maximum marks.	*Time allowed.*
PAPER I.—Chemistry ..	25	Three hours.
PAPER II.—Physics ..	25	Ditto.
Practical Chemistry.	25	Ditto.
Practical Physics	25	Ditto.
Total ..	100	

Group 2.

PAPER I.—Botany ..	25	Three hours.
PAPER II.—Zoology ..	25	Ditto.
Practical Botany	25	Ditto.
Practical Zoology	25	Ditto.
Total ..	100	

Group 3.

PAPER I.—Physical properties of soil, soil geology, climatology ..	30	Three hours.
PAPER II.—Elements of Plant Feeding, Principles of		

	Maximum marks.	*Time allowed.*
manuring, Principles of Irrigation and Drainage ..	30	Three hours.
Practical farming Practical A. Crop culture, Climatology ..	45	Ditto.
Practical B. Farm Machinery, Animal Husbandry ..	45	Ditto.
Total ..	150	

Group 4.

ENGLISH.

PAPER I.—Translation and composition ..	25	Three hours.
PAPER II.—Essay and unseen passages from textbooks ..	25	Ditto.
Total ..	50	

Group 5.

ECONOMICS.

PAPER I	25	Three hours.
PAPER II	25	Ditto.
Total ..	50	

	Maximum marks.	*Time allowed.*
MATHEMATICS.		
PAPER I	25	Three hours.
PAPER II	25	Ditto.
Total ..	50	

The syllabus in each subject is as follows :—

GROUP I.

I.—CHEMISTRY.

A.—Inorganic.

Common properties of matter.

Physical and chemical changes ; elements ; mixtures and compounds. Atoms ; molecules, symbols ; formulae ; equations and simple chemical calculations.

The fundamental principles of Chemistry :—Law of chemical combination by weight and by volume. Atomic theory ; atomic, molecular and equivalent weights. Valency. Avogadro's hypothesis and relation of gas density to molecular weights. Charles' and Boyle's laws. Elementary ideas as to the nature of dissociation and of the ionic theory.

The outline of the periodic law.

The following elements and their compounds :—

Hydrogen and Oxygen—their preparation and properties. Oxidation and reduction. Oxides, acids, bases and salts.

Water :—Electrolysis ; synthesis ; solution ; crystallization ; efflorescence and deliquescence ; pure and natural waters ; temporary and permanent hardness ; methods of softening water.

Nitrogen ; ammonia ; oxides of nitrogen ; nitric acid and the nitrates ; nitrification.

The atmosphere, its chief constituents and properties.

The family of the halogens with special reference to chlorine, hydrochloric acid and the chlorides.

Carbon; forms of carbon; carbon dioxide and the carbonates.

Sulphur; sulphur dioxide and trioxide; sulphuric acid and the sulphates; sulphuretted hydrogen and the sulphides.

Phosphorous; phosphorous pentoxide; phosphoric acid and the phosphates.

Arsenic and arsenious oxide.

Silicon, silica and the silicates.

Mercury and Silver—their oxides, chlorides and nitrates.

Copper—its sulphate, nitrate and oxides.

Lead—its oxides, chlorides and sulphate.

Iron—its oxides, sulphate, chloride and phosphate; steel, cast iron and wrought iron.

Aluminium—its oxides, sulphate and chloride.

Zinc—its oxide, chloride and nitrate.

Manganese—its oxides, chloride, sulphate and potassium permanganate.

Calcium—its oxide, hydroxide, chloride, nitrate, sulphate, carbonate and phosphate.

Barium—its oxide, carbonate, chloride and sulphate.

Magnesium—its oxide, chloride, sulphate, carbonate and phosphate.

Sodium, Potassium and Ammonium—their hydrates, chlorides, nitrates, sulphates, carbonates and phosphates.

B.—Organic.

General composition; physical properties and general classification of carbon compounds.

Hydrocarbons, saturated and unsaturated—methane, ethane, ethylene and acetylene.

Alcohols ; methyl and ethyl alcohols ; glycerine.

Aldehydes and ketones ; formaldehyde, acetaldehyde, acetone.

Ethers :—Ethyl ethers.

Acids ; formic, acetic, butyric, oxalic, lactic and citric.

Fats, oils and soaps.

Carbohydrates : grape sugar, fruit sugar, cane sugar, starch and cellulose.

Proteins : Albumin.

Practical work in chemistry.

Differentiation between chemical compounds and mechanical mixtures.

Solution ; suspension ; sedimentation ; decantation ; filtration ; precipitation ; crystallization and distillation.

Examination of the important atmospheric constituents.

Preparation of hydrogen, oxygen, nitrogen, nitrous oxide, nitric oxide, nitric acid, ammonia, chlorine, hydrochloric acid, sulphur dioxide and carbon dioxide.

Examination of hard water amd methods of softening.

Preparation of the following in their pure form :—

Sodium chloride, potassium or ammonium sulphate, calcium carbonate and ferric oxide.

Acidimetry and alkalimetry.

Qualitative reactions of the following :—

Chlorides, nitrates, sulphates and sulphides, carbonates, phosphates : arsenic, silver, mercury, copper, lead, iron, aluminium, zinc, manganese, calcium, barium, magnesium, sodium, potassium and ammonium.

Qualitative analysis of single salts containing one acid and one base.

Preparation of methane.

Examination of the following organic compounds :—

Ethyl alcohol, glycerine, oxalic acid, grape sugar, fruit sugar, cane sugar and starch.

Study of the physical and chemical properties of vegetable and mineral oils. Saponification.

Qualitative reactions of proteins.

The following books are suggested for reference :—

1. "Every-day Chemistry," by Alfred Vivian (American Book Co., New York). Price, about Rs. 5.

2. A Foundation Course in Chemistry for Students of Agriculture and Technology, by J. W. Dodgson and J. A. Murray. (Longmans, Green & Co., Calcutta). Price, about Rs. 3.

3. Introduction to the Study of Inorganic Chemistry, by W. A. Miller. (Longmans, Green & Co., Calcutta.) Price, about Rs. 4.

4. Agricultural Chemistry, by R. H. Adic and T. W. Wood, Vol. I, (Kegan Paul, Trench, Trubner & Co., Ltd., Paternoster House, Charing Cross Road, London.) Price about, Rs. 4.

5. Organic Chemistry, by Perkin and Kippling. (W. R. Chambers, Ltd., London). Price about, Rs. 7.

6. Elementary Agricultural Chemistry, by H. Ingle (Charles Griffin & Co., Ltd., London.) Price, about Rs. 4.

II.—PHYSICS.

Units and measurements ; Metric system ; Length ; Area ; Volume ; Mass ; Time. The Vernier and the micrometer scales. Balance and density.

Velocity, acceleration and momentum. Kinematical equations of rectilinear motion. Composition and resolution of velocities or accelerations ; the parallelogram law.

Force and motion ; inertia. Newton's laws of motion. Measure of a force. Composition and resolution of forces. Gravity and laws of falling bodies ; mass and weight ; centre of gravity. Centripetal and centrifugal forces. Projectiles, torques or moments.

Equilibrium of forces ; triangle and polygon of forces : Stable and unstable equilibrium. Friction and its laws. Simple illustrations of the conditions of equilibrium as in levers, pulleys, inclined plane, field plough, etc.

Pressure of liquids at rest, variation with depth. Transmission of liquid pressure ; Hydraulic press ; Pressure on immersed and floating bodies : Laws of hydrometers. Specific gravity. Centre of pressure.

The atmospheric pressure. Boyle's Law. Force and suction pumps. Syphon.

Work ; energy ; power ; efficiency of machines.

Matter and energy. Properties of matter. Surface tension ; capillarity ; viscosity ; osmosis ; rigidity and elasticity. Molecular structure of matter. Different forms of energy.

Liquids and gases in motion, wave motion (elementary treatment).

Heat energy :—Source ; modes of transference ; effects of heat on matter ; thermometry ; specific heats ; evaporation and boiling ; vapour pressure ; condensation and frost ; latent heats ; hygrometry and dew point ; mechanical equivalent of heat.

Radient energy :—Source of light ; mode of propagation ; light waves ; shadows ; illumination ; reflection ; transmission ; absorption and dispersion of light ; magnification ; images ; telescope ; microscope.

Magnetic energy :—Magnets ; magnetic forces ; magnetization ; compass.

Electric energy :—Electrification by friction : insulators ; conductors ; electroscope ; electric machines. Electricity generated by chemical action ; batteries ; resistance ; magnetic effect of current ; transformation of electric energy into heat light and power galvanometers ; voltmeters ; ammeters ; electrolysis.

Practical Work in Physics.

Accurate determination of length, area, mass, volume and density. Use of calipers, screw gauge, spherometer, balance, burette and squared paper.

Determination of acceleration due to gravity by the simple pendulum.

Verification of the law of parallelogram of forces.

Verification of the principles of parallel forces and of the lever.

Determination of centre of gravity of plane laminas.

Determination of co-efficient of friction.

Determination of efficiency of a system of pulleys.

Use of the Nicholson Hydrometer.

Use of the hydrostatic balance : determination of specific gravities of—

(1) insoluble sinking solid, (2) floating solid, (3) liquid.

Verification of Boyle's Law and practice in barometer reading.

Use of the density bottle : determination of true and apparent density of soils and porespace.

Practice in reading various thermometers.

Determination of Humidity and Dewpoint.

Determination of Boiling points.

Preparation of a graph showing cooling of water by radiation.

Determination of specific heat :—(1) method of mixture, (2) method of radiation.

Determination of Latent heats of vaporization and fusion.

Reflection of light : use of plane and concave mirrors.

Refraction of light : determination of Refractive index.

Determination of focal length of a converging lens.

Practice in use of a telescope and of a microscope.

Magnetization of needles and determination of their poles.

Charting of lines of force due to a magnet in different positions.

Use of simple electroscopes (Gold leaf and Pith ball).

Construction of a simple cell and use of the simple galvanometer.

Determination of Electromotive force by the potentiometer or balance method.

Determination of Electric resistance by substitution method.

The following book is suggested for reference :—

A High School Course in Physics, by F. R. Gorton (D. Appleton and Co., New York). Price about, Rs. 5.

GROUP II.

BOTANY.

Zoology.

(The course will aim at the study of the phenomena exhibited by living matter as illustrated by lower plants, animals, and their organs.)

Introduction.—Living and non-living matter ; study of life in its simplest form as illustrated by Amoeba, Nostoc, Euglena, Volvox, Paramoecium, and Spirogyra ; general properties of protoplasm as the basis of all life.

The cell, animal and vegetable, its growth and simple division ; combination of cells to form tissues ; combination of tissues to form organs as illustrated by Hydra and Moss.

I. Botany.

Study of plant in general.

External morphology of the plant organs : stem, root, leaf, flower, fruit, and seed.

Internal Morphology—

(*a*) Plant cell.

(*b*) Stem, root, and leaf.

Reproduction—

Vegetative reproduction.

Sexual reproduction—

(*a*) The flower : structure and functions.

(*b*) Pollination.

(*c*) The seed : development, structure, dissemination.

(*d*) The fruit : development, types, functions.

(*e*) Germination.

Physiology : elementary study of the following :—

(*a*) Chemical composition of plants.

(*b*) Water in plants ; intake of water and inorganic salts.

(*c*) Carbon-assimilation.

(*d*) Transportation ; food storage.

(*e*) Transpiration.

(*f*) Respiration.

(*g*) Growth.

Rapid survey of the plant kingdom :—Bacteria, spirogyra, mucor, moss, fern cycas.

Study of botanical characters of : (Field and garden crop plants should be used as far as possible)—Cruciferae, Malvaceae, Leguminosae, Rosaceae. Cucurbit-

aceae, Compositae, Solanaceae, Euphorbiaceae, Liliaceae. Gramineae.

Books recommended.—

1. Lowson and Sahni Text-book of Botany (Indian edition), (London University Tutorial Press or Thacker Spink and Company, Calcutta).
2. Percival .. Agricultural Botany (Duckworth).
3. Ranga Chari.. Elementary Botany for Indian Schools (Government Press, Madras).
4. Gager .. Fundamentals of Botany (Blakiston).
5. Transeau .. General Botany. (World Book Company).
6. Farmer and Chowdhry. Practical Introduction to the Study of Botany. (Longmans, Green and Company, Limited).

II.—Zoology.

Acquaintance with the following types as illustrations of the various kinds of life :—

Tapeworm, Earthworm, Leech, Snail and Slug, Termite, Fish, Frog.

General organization of Earthworm, Fresh water mussel, Lobster, and Cockroach.

Elementary anatomy and physiology of the important systems of the following :—

Amphioxus, Fish, Frog, Fowl, and Squirrel or other small mammal.

Books recommended :—

1. Theobald .. Agricultural Zoology (W. Blackwood).
2. Gilbert Bourne Comparative Anatomy of Animals (G. Bell and Sons).

3. Marshall .. Physiology of Farm Animals (Macmillan, Calcutta).
4. Marshall and Hurst. Practical Zoology (Smith Elder and Company).

GROUP III.

I.—ELEMENTARY SOIL SCIENCE.

Soil Geology.—The origin of soils ; classification and nature of soil forming rocks ; recognition of the following rocks and their chief characteristics :—

(1) Igneous : Granite ; Syenite ; Diorite ; Biabase ; Gabbro ; Basalt.

(2) Sedimentary Limestone ; Sand stone ; Shale ; Dolomite.

(3) Metamorphic : Schists ; Gneiss ; Marble ; Slate ; Quartzite.

The mineral constituents of the more important soil forming rocks, their nature and composition.

The importance of Felspars in the formation of clay.

The nature of Kaolinite.

Acid and basic rocks and their effect upon soils formed from them.

The Physical properties of soils.—Pore space ; number of soil particles per given volume and their relation to surface area exposed to moisture and air, resistance to cultivation operations, plasticity, absorption, cohesion ; limits of moisture for successful tillage ; effect of presence of organic matter on soil structure ; effect of lime ; effect of cultivation ; sources of soil heat ; specific heat of the soil ; specific gravity apparent and absolute of the soil ; effect of colour on absorption of heat and of humus on conductivity of heat ; effect of decay of organic matter on soil temperature ; control of soil temperature.

Soil classes.—Classification of soils into sand, loam, clay, calcarious, humic and peaty soils and the nature of each class; division of the United Provinces into its natural soil classes and the characteristics of each class.

Sources of Plant Food in the soil.—Elements necessary for plant growth and their sources; abundant and deficient elements in the soil: conversion of organic matter into plant food, conditions necessary for bacterial activity in the soil; the Nitrogen cycle briefly explained; the relation of air, water and heat to plant food in the soil, the presence of lime and its importance to the production of plant food.

General Principles of manuring in relation to soil.—The effect of organic manures on the texture of soils, the correct time of application of manures in relation to irrigation and rain water; losses of plant food by incorrect manuring; losses by incorrect storage and their prevention; acidity and deflocation due to excessive and unsuitable manuring; remedies for this condition; condition of soil necessary before application of fertilisers can be profitable; the essential difference between organic manures and inorganic manures as regards effect on soils; methods of manuring both with organic manures and chemical fertilisers.

The following books are suggested for reference :—

1. "The Soil," by A. D. Hall (John Murray, London).

2. "The Physical Properties of Soils," by A. G. McCall (Orange Judd and Company, New York). Price about Rs. 2-12.

3. "First Principles of Soil Fertility," by Alfred Vivian (Orange Judd and Company, New York; or Christian Book and Tract Society, Allahabad). Price Rs. 2-7.

4. "Soils, their Properties and Management," by Lyon, Fippin and Buckman (Macmillan and Company, New York). Price Rs. 10.

5. "Soils and Fertilizers," by Harry Snyder (Macmillan and Company, New York).

Climatology.—The distribution of rainfall, its effect upon the composition, of soils ; determination of humidity ; factors affecting dew ; changes in atmospheric temperature and their effect upon humidity ; winds and their importance in farming snow, ice and frost and their relation to the siol ; methods of obtaining data for climatic reports, simple instruments used in meteorological observeations; climate in relation to soils and plant growth.

The following books are suggested for reference :—

1. "Agricultural Meteorology" by Warren Smith (Macmillan and Company, New York).

2. "Forecasting Weather," by W. A. Shaw (Constable and Company, London).

General Principles of irrigation and Drainage.—(a) Irrigation.—The necessity of irrigation, water requirements of crops and the danger of excessive water ; methods of reducing water requirements of crops : evaporation and its relation to plant growth ; prevention of losses of irrigation water ; amount of seepage in the three main classes of soils, sands, loams and clays ; the construction of irrigation channels ; measurement of discharge of water from outlets ; measurement of water in flowing channels : relation of depth in inches to total quantity of water per irrigation ; systems and methods of irrigating crops ; lift and flow irrigation ; appliances commonly used for lifting water ; simple calculations of discharge from common irrigation appliances.

(*b*) *Drainage.*—The necessity of removing surplus water from the soil ; the dangers resulting from excessive

moi ure in the soil ; alkali soils ; their formation and prevention by drainage ; acid soils and their amelioration by drainage ; the combined effect of irrigation and drainage on acid soils, alkali soils and neutral soils ; kinds of drains ; cost of drains and upkeep ; correct position of drains in a field ; size and depth of drains ; control of erosion.

The following books are suggested for reference :—

1. " Agriculture and Irrigation in Continental and Tropical Climates," by K. D. Doyle (Thacker, Spink and Company). Price Rs. 16-8.

2. " Irrigation and Drainage," by King (Mount Pleasant Press, Harrisburg, Pa).

NOTE.—It is suggested that the lecture work in soil Science be co-ordinated as far as possible with related work in the field.

II.—PRACTICAL FARMING.

I. Crop Culture :—(*A*) The growing of farm and vegetable crops and their care by students ; practice in the following operations :—

(*a*) Preparation of seed bed and soils.

(*b*) Sowing of seed.

(*c*) Transplanting.

(*d*) Irrigation with and without water lifting appliances.

(*e*) Interculture.

(*f*) Weeding.

(*g*) Earthing.

(*h*) Harvesting including reaping with machinery.

(*B*) *Crops* :—Special attention to be given to the follow ng :—

(1) Cereals	..	Water, barley, rice, bajra, juar and maize.
(2) Fibres	..	Cotton, sunnhemp, patsunn.
(3) Oil-seeds	..	Castor, linseed, mustard.
(4) Legumes	..	Peas, groundnuts, arhar, gram.

(5) Fodders .. Juar, lucerne, guar, oats.

(6) Miscellaneous Sugarcane, potatoes, tobacco.

(*C*) Familiarity with the principles of rotations of crops.

(*D*) Vegetable Crops :—

(*a*) Cole-crops .. Cabbage, knol-koh, cauliflower.

(*b*) Root crops .. Carrot, beetroot, turnip, sweet potato.

(*c*) Bulb crops .. Onion, garlic.

(*d*) Tuber crops .. Potato.

(*e*) Legumes .. Peas and beans.

(*f*) Cucurbitaceous crops Cucumber, torai, melons, pumpkins, gourds.

(*g*) Miscellaneous Tomato, brinjals, bhindi, corns, chillies, turmeric, ginger, maize.

The following books are suggested for reference :—

1. Agricultural Note-book of facts and Figures for the United Provinces to be published shortly by the department of Agriculture, United Provinces.

2. The Complete Farmer, by Premirose McCommell (Cassel and Company, London).

3. Roberts and Fawlkner : A Text-book of Punjab Agriculture.

4. Crop Production, by A. and G. Howard, Institute of Plant Industry, Indore, C. I.

II. Introduction to Animal Husbandry.—The course to deal with the draft bullock, the dairy cow and the goat. The naming of the different external parts ; relation of form and function ; ability to judge ages : Score-card methods of judging ; measurement of speed of work of the draft bullock, the handling of bullocks, cows and goats ; cleaning of animals and byres ; milking ; practice in preparation of balanced rations for

dairy cow, bullock, young stock and goat ; practice in watering and exercising ; familiarity with the appearance and use of common medicines and antiseptics ; ability to throw an animal with ropes, market value of dairy, draft cattle and goats ; keeping of records of dairy cattle.

The following books are suggested for reference :—

1. " Feeding of Crops and Stock," by A. D. Hall.

2. " The Complete Farmer." by Premirose McCommell.

3. " Judging Live-stock," by John A. Craig (Kenyon Printing Company, Des Moines, Iowa). Price, Rs. 7.

4. " Feeds and Feeding " (abridged edition), by Henry and Morrison. (Publishers. Henry and Morrison, Madison, Wiscon). Price, Rs. 10.

III. Farm Machinery :—Handling in the field of the plough, harrow, cultivator, roller and planker ; ability to plough with desi, Mould Board and Disc ploughs ; familiarity with the methods of hitching ; adjustment of implements and methods of ploughing : familiarity with the use of common seed-drills ; weeding and cultivation with power and hand implements ; grinding, cane crushing and fodder cutting.

The following books are suggested for reference :—

1. " Farm Mechanics," by Crawshaw and Lehman (Manual Arts Press, Peoria, Illinois, U. S. A.)

2. " Farm Machinery and Farm Motors," by Davidson (Thacker, Spink and Company). Price, Rs. 11-8.

IV. Calculations :—The following simple calculations to be noted in the student's note book. Field

notes attested by the teacher to be produced at the examinations :—

(1) Time taken to plough, harrow, cultivate and plank one acre, under the following conditions :—

Hard soil.

Soft soil,

Sod and

Stubble.

(2) The variation in time taken in area ploughed with differences in depth and width of ploughing under similar conditions.

(3) The area sown with simple seed drills per day calculated from the work done in two hours ; probabilities of error.

(4) Quantity of work done in hand-weeding, harrowing, etc., per hour by a given number of labourers, in this case students.

(5) Calculations of discharge of water from outlets, from irrigation channels and from irrigation appliances.

(6) Estimation of loss by evaporation and seepage.

(7) Estimation of area of land irrigated in a given time by irrigation appliances in common use ; duty of water.

(8) Increase in outturn of crops by top dressing with chemical fertilisers and oil cakes.

(9) Calculation of quantity of fodder chopped by machine worked (*a*) by hand, (*b*) by electricity or other power, and comparison with hand chopping with gandasa.

(10) Calculation of speed of fodder cutter and other machines in common use on the farm in revolutions per minute.

GROUP IV.

ENGLISH.

There will be two papers of three hours each, one on Translation and Composition and the other on Essay and Unseen Passages. In the first paper questions on grammar will be set, including parsing, analysis, sequence of tenses, and conversion of direct and indirect forms of speech.

Text-books prescribed :—

(*a*) For detailed study—

(1) Easier English Unseens, by A. C. Mukerji.

(2) Translation, Essay-writing, and Unseens for Intermediate Classes by Raghukul Tilak and Deoki Nandan Sharma.

(3) A Book of English Prose, by P. Seshadrī (Oxford University Press), (omitting the Convalescent, the Beautiful, Dr. Skinner, El. Dorado, the Dedicated Life, War).

(*b*) General Study—

(1) The Strange Case of Dr. Jekyl and Mr. Hyde, by Robert Louis Stevenson.

Two books of general scientific interest, as for instance—

(2) Biology the Science of Life, by Professor Henderson, M.A.

(3) The Structure of the Earth, by Rev. Bonney, F.R.S.

GROUP V.

ECONOMICS.

Introduction.—What is Economics? Why is one nation richer than another? Why is one man richer than another? What is wealth? How does it differ from income? The whole course is an answer to these questions.

Production.—What does it cost to produce wheat on a village farm in the United Provinces? Cost of labour, ploughing, sowing, weeding, reaping, threshing, etc. Purchase and depreciation. Interest on all expenses till the crop is sold. Rent of the land and transportation to the bazaar. Cost of supervision.

Examine similarly the cost of producing and marketing milk and other common necessities.

Exchange.—Has it paid to produce wheat and milk at the above cost? What are the present prices of wheat, milk, etc., in the United Provinces for different qualities, at different seasons and for the last five years? What causes these differences and changes? Laws of supply and demand and causes for variation. Relation of prices to cost of production over a period of years.

Consumption.—Why do we demand wheat, cotton, milk, pottery, tools? Wants and their varying importance. Necessities, comforts, luxuries. Division of income between various wants. Budgets of students and villagers. Do we get equal satisfaction from equal expenditure? How do we change our purchase when prices fall and when our incomes increase?

Difference in the cost of production and distribution.—Why do rents differ? Kinds of lands. Advantages of fertility and situation.

Why do rates of interest differ? Short and long loans: risks and management of loans. Co-operative credit. Relation of the rate of interest to the supply of capital. Causes of saving.

Why do wages differ? Grades of labour. Efficiency of labour. Real and nominal wages. Cost of living and the standard of living. Relation of wages to the supply of labour. Relation of birth-rates and death-rates to income.

Organization and management.—In what different ways might wheat be produced? Does the method depend upon situation? Wages? The rate of interest? Education? Quality of the product? How is the method actually determined? By whom?

Carry out this reasoning for milk and other common necessities.

In what cases is it most profitable to use a railway, a bicycle, and one's feet? Compare the uses of hand-writing, typewriting and printing press. Hand-sewing and the sewing machine. Why do primitive methods continue in use along with more advanced ones?

Money, banking and foreign exchange, barter, uses of money, reasons for minting and for free coinage, paper money and cheques. The work of banks and their economic importance. India's foreign trade and its advantages.

Taxation.—The necessity for taxation. The income tax, custom duties, land revenue and excise. Who bears these taxes? Reasons for progressive taxation. Imperial and local taxation.

The following books are suggested for reference :—

1. Elements of Economics, Vol. I, by Alfred Marshall (Macmillan & Co., London).
2. An Introduction of Economics for Indian Students, by Moreland.

or

MATHEMATICS.

ALGEBRA :—Quadratic equations involving one or two unknown quantities.

Arithmetical and Geometrical Progressions.

Permutations and Combinations.

The Binomial Theorem for positive integral index.

Proportions and Variations.

Use of indices and logarithms.

Practical use of the Slide Rule.

GEOMETRY AND MENSURATION :—Simple Plane and Solid Figures ; excluding any detail about the sections of a cone.

Similar figures and proportionals.

Field book.

Collinear points and concurrent straight lines.

TRIGONOMETRY :—Trigonometrical Ratios.

Easy trigonometrical indentities and equations.

Solution of traingles.

Practical measurement of angles of elevation, heights and distances including the necessary calculations.

GRAPHS :—Variables and co-ordinates.

Statistical graphs and those governed by a natural law.

Continuity and discontinuity of graphs. Problems.

Graphs and Algebraical expression of functions.

The linear graph.

Use of Cartesian co-ordinates :—Distance between two points ; Distance between a straight line and a point ;

Angle between two straight lines.

The quadratic graphs.

Practical Graphical Interpolation.

INTEGRATION :—Small errors ; Infinitesimal quantities.

Differentials : Differential coefficient.

Easy standard forms of differentiation explained (without elaborate proofs). Sum and product of functions.

Summation of series.

Integration, considered as summation of a series of differentials.

A few very easy standard forms of integrals (without elaborate proofs). Integration by parts.

Easy determinations of length, area and volume.

Practical use of the planimeter and the opisometer.

List of Intermediate Colleges in the United Provinces (not maintained by Government) recognized for the Intermediate Examination of 1930.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		MEERUT DIVISION.	
1	Meerut College, Meerut	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry, Civics, Drawing, Urdu and Hindi.	Recognized provisionally in Civics up to 1932.
2	D. A.-V. Intermediate College, Dehra Dun.	English, Persian, Sanskrit, Modern History, Logic, Economics, Mathematics, Physics, Chemistry, Civics and Hindi.	Provisional recognition extended to 1931.
3	N. R. E. C. Intermediate College, Khurja, district Bulandshahr.	English, Persian, Sanskrit, Modern History, Logic, Mathematics, Physics, Chemistry, Civics, Economics, Urdu and Hindi.	Recognized provisionally in Civics and Economics up to 1931.
		AGRA DIVISION.	
4	Agra College, Agra	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry and Biology.	
5	St. John's College, Agra	English, Persian, Sanskrit, Logic, Modern History, Economics, Mathematics, Physics, Chemistry, Biology, Geography, Urdu and Hindi.	Provisional recognition in Urdu, Hindi extended to 1932 and in Geography to 1931.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		AGRA DIVISION—(*concluded*).	
6	Balwant Intermediate College, Agra ..	English, Persian, Sanskrit, Modern History, Logic, Economics and Mathematics.	Recognized provisionally up to 1931.
7	Radhasoami Educational Institute, Agra.	English, Persian, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology and Economics.	
		ROHILKHAND DIVISION.	
8	Bareilly College, Bareilly ..	English, Persian, Sanskrit, Modern History, Logic, Economics, Mathematics, Physics, and Chemistry.	
9	Shyam Sunder Memorial Intermediate College, Chandausi, district Moradabad.	English, Persian, Sanskrit, Modern History, Logic, Mathematics, Physics, Chemistry, and Economics.	Recognized provisionally in Economics up to 1931.
		ALLAHABAD DIVISION.	
10	Christ Church College, Cawnpore ..	English, Persian, Arabic, Sanskrit, Latin, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Civics, Urdu and Hindi.	Recognized provisionally in Civics, and Hindi up to 1930, and in Urdu up to 1932. Recognized permanently in Hindi from 1931. Recognition in Civics to cease after 1930.

11	D. A.-V. College, Cawnpore ..	English, Persian, Sanskrit, History, Logic, Economics, Civics, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Civics, Urdu and Hindi up to 1931.
12	B. N. Sanatan Dharm Intermediate College, Cawnpore.	English, Sanskrit, Modern History, Economics, Mathematics, Hindi, Logic, Geography, Urdu, Physics, Chemistry and Biology.	Recognized provisionally up to 1932.
13	Ewing Christian Intermediate College, Allahabad.	English, Persian, Sanskrit, Latin, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Geography, Biology, Urdu and Hindi.	Recognized provisionally in Geography, Urdu and Hindi up to 1931.
14	Kayastha Pathshala Intermediate College, Allahabad.	English, Persian, Sanskrit, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry and Biology.	
15	Anglo-Bengali Intermediate College, Allahabad.	English, Sanskrit, Modern Histroy, Logic, Mathematics, Economics and Bengali.	Recognized provisionally up to 1931.
		BENARES DIVISION.	
16	Udai Pratab College and Hewett Kshattriya School, Benares.	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry and Hindi.	Recognized provisionally in Hindi up to 1931.
		GORAKHPUR DIVISION.	
17	St. Andrew's College, Gorakhpur ..	English, Persian, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology and Economics.	Recognized provisionally in Biology and Economics up to 1931.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		LUCKNOW DIVISION.	
18	Lucknow Christian College, Lucknow	English, Persian, Arabic, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry and Biology.	
19	Shia Intermediate College, Lucknow..	English, Persian, Arabic, Modern History, Economics, Logic and Mathematics.	Provisional recognition extended to 1932.
20	Kanya Kubja Intermediate College, Lucknow.	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, and Hindi.	Provisional recognition extended to 1930.
		GIRLS' COLLEGES.	
21	Crosthwaite Girls' Intermediate College, Allahabad.	English, Persian, Sanskrit, History, Logic, Mathematics, Economics, Urdu, Hindi, Bengali and Physiology, Hygiene and Child Study.	Recognized provisionally in Hindi and Bengali up to 1932 and in Urdu and Physiology, Hygiene and Child Study up to 1931.
22	Isabella Thoburn College, Lucknow ..	English, Persian, Sanskrit, Latin, French, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Biology, and Physiology, Hygiene and Child Study.	Recognized provisionally in Physiology, Hygiene, and Child Study up to 1931
23	Theosophical National Girls' School and Women's College, Benares.	English, Sanskrit, Modern History, Logic, Economics, Hindi and Physiology, Hygiene and Child Study.	Provisional recognition extended to 1932.

		COLLEGES FOR EUROPEANS.	
24	St. George's Intermediate College, Mussoorie.	English, Mathematics, Modern History, Ancient History, Latin, French, Physics and Chemistry.	Recognized provisionally in French, Physics and Chemistry up to 1931.
25	St. Joseph's College, Naini Tal ..	English, Modern History, Ancient History, Latin, Mathematics, Physics and Chemistry.	
26	La Martiniere College, Lucknow ..	English, Latin, Ancient History, Modern History, Mathematics, Physics, Chemistry and Geography.	

List of Government Intermediate Colleges recognized for the Intermediate Examination of 1930,

		ROHILKHAND DIVISION.	
27	Government Intermediate College, Moradabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry.	
		ALLAHABAD DIVISION.	
28	Government Intermediate College, Allahabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology and Economics.	
29	Government Intermediate College, Etawah.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry.	
		JHANSI DIVISION.	
30	Government Intermediate College, Jhansi.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Urdu and Hindi up to 1931.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		BENARES DIVISION.	
31	Queen's Intermediate College, Benares	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics and Hindi.	
		KUMAUN DIVISION.	
32	Government Intermediate College, Almora.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry and Economics.	
		LUCKNOW DIVISION.	
33	Government Jubilee Intermediate College, Lucknow.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi.	Recognized provisionally in Biology, and Economics up to 1932.
		FYZABAD DIVISION.	
34	Government Intermediate College, Fyzabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics and Urdu.	Recognized provisionally in Economics and Urdu up to 1930. Recognized permanently in Economics and Urdu from 1931.

List of institutions in the United Provinces recognized for the Intermediate Examination in Commerce of 1930.

Serial no.	Name of institution.	Remarks.
1	Meerut College, Meerut.	
2	N. R. E. C. Intermediate College, Khurja	Recognized provisionally up to 1931
3	Lucknow Christian College, Lucknow.	
4	St. John's College, Agra.	
5	D. A.-V. College, Cawnpore.	
6	Sanatan Dharam College of Commerce, Cawnpore.	
7	Kayasth Pathshala Intermediate College, Allahabad.	
8	Shyam Sundar Memorial Intermediate College, Chandausi.	
9	Bareilly College, Bareilly	Recognized provisionally up to 1931.

List of institutions in the United Provinces recognized for the Intermediate Examination in Agriculture of 1930.

1	Allahabad Agricultural Institute, Naini, Allahabad	Recognized provisionally up to 1930. Recognized permanently from 1931.
2	Agricultural College, Cawnpore.	

List of institutions in the United Provinces recognized for the High School Examination of 1930.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernacular in which recognition has been granted.	Remarks.
		MEERUT DIVISION.		
1	Dayanand Anglo-Vedic Intermediate College, Dehra Dun.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
2	A. P. Mission High School, Dehra Dun.	Persian, Arabic, Sanskrit, Drawing, Science and Manual Training.	Urdu, Hindi and Bengali.	
3	Government High School, Saharanpur.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
4	Government Chamier Orman High School, Roorkee, district Saharanpur.	Ditto ..	Ditto.	
5	Kashi Ram High School, Saharanpur.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1932.
6	Islamia High School, Saharanpur.	Persian, Arabic and Drawing ..	Urdu	Ditto.
7	Government High School, Muzaffarnagar.	Persian, Arabic, Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	

8	Edward Anglo-Sanskrit High School, Muzaffarnagar.	Persian, Sanskrit, Drawing and Science.	Ditto. ..	Provisional recognition extended to 1932.
9	D. A.-V. High School, Muzaffarnagar.	Ditto ..	Ditto. ..	Ditto.
10	Government High School, Meerut	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
11	Brahman Anglo-Vedic High School, Meerut.	Persian, Sanskrit, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to 1931.
12	Cantonment Anglo-Bengali High School, Meerut.	Persian, Sanskrit and Drawing ..	Urdu, Hindi and Bengali.	
13	Faiz-i-Am High School, Meerut ..	Persian, Arabic, Drawing and Science.	Urdu and Hindi.	
14	Nanakchand Anglo-Sanskrit High School, Meerut.	Persian, Sanskrit, Drawing and Science.	Ditto	
15	Devanagri High School, Meerut ..	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
16	Government High School, Hapur, district Meerut.	Persian, Sanskrit, Drawing and Science.	Ditto.	
17	Digambar Jain High School, Baraut, district Meerut.	Persian, Sanskrit and Drawing ..	Ditto.	

NOTE.—Science=Physics and Chemistry.

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Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		MEERUT DIVISION—*(concluded)*.		
18	Jat Vedic High School, Baraut, district Meerut.	Persian, Sanskrit and Drawing..	Urdu and Hindi.	
19	Shambhu Dayal High School, Ghaziabad.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Recognized provisionally in Science and Commerce up to 1931.
20	Government High School, Bulandshahr.	Persian, Sanskrit, Drawing and Science.	Ditto.	
21	Nathumal Ramsahaimal Edward Coronation Intermediate College, Khurja, district Bulandshahr.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
22	Anglo-Vernacular High School, Sikandrabad, district Bulandshahr.	Persian, Sanskrit, Drawing and Science.	Ditto.	
23	A.-V. High School, Anupshahr, district Bulandshahr.	Ditto ..	Ditto ..	Provisional recognition extended to 1931.

24	Janki Prasad Anglo-Sanskrit High School Khurja (district Bulandshahr).	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
25	King Edward Memorial Jat High School, Lakhauti (district Bulandshahr).	Persian, Sanskrit, Drawing, Science and Agricultural Botany.		
26	Kubair High School, Debai (district Bulandshahr.)	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
27	Partap High School, Tehri, district Garhwal (Tehri State).	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
		AGRA DIVISION.		
28	Government High School, Aligarh.	Persian, Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	
29	Dharmsamaj High School, Aligarh.	Persian, Sanskrit, Drawing and Science.	Ditto.	
30	Kayasth Pathshala High School, Aligarh.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1932.

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
31	D. A.-V. High School, Aligarh ..	Persian, Sanskrit, Drawing, History and Geography.	Urdu and Hindi ..	Recognised provisionally up to 1931.
32	Government High School, Hathras, district Aligarh.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
33	Phool Chand Bagla, A. S. High School, Hathras, district Aligarh.	Persian, Sanskrit, Drawing and Science.	Ditto.	
34	Government High School, Muttra	Ditto ..	Ditto.	
35	Agarwal Vidyalaya, Muttra ..	Sanskrit, Drawing, Commerce, History and Geography.	Ditto ..	Recognised provisionally up to 1931.
36	Kishori Raman High School, Muttra.	Persian, Sanskrit and Commerce..	Ditto ..	Provisional recognition extended to 1931.
37	Victoria High School, Agra ..	Persian, Sanskrit, Drawing and Science.	Ditto.	
38	Government High School, Agra	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	

39	St. John's High School, Agra ..	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
40	Balwant Rajput High School, Agra.	Ditto ..	Ditto.	
41	Baptist Mission High School, Agra.	Persian, Sanskrit, Drawing and Science.	Ditto.	
42	Mufid-i-Am High School, Agra ..	Ditto ..	Ditto ..	Provisional recognition extended to 1932.
43	Railway High School, Tundla, district Agra.	Ditto ..	Ditto.	
44	Radhasoami Educational Institute, Agra.	Ditto ..	Ditto.	
45	Shoaib Muhammadia High School, Agra.	Persian, Arabic, Drawing Science and Commerce.	Ditto.	
46	D. A.-V. High School, Agra ..	Persian, Sanskrit, Drawing and Science.	Ditto ..	Provisional recognition extended to 1931.
47	Abhir Kshattriya High School, Shikohabad.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1932.

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		AGRA DIVISION— *(concluded).*		
48	Sri Ram Chandra Victoria High School, Firozabad, district Agra.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
49	Government High School, Mainpuri.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
50	Mission High School, Mainpuri ..	Persian, Arabic, Sanskrit and Science.	Ditto.	
51	Government High School, Etah ..	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
		ROHILKHAND DIVISION.		
52	Government High School, Bareilly	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi.	
53	Islamia A.-V. High School, Bareilly.	Persian, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to 1931.
54	State High School, Rampur (Rampur State).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1931.

55	Eastern Inglis Memorial High School, Bareilly.	Persian, Sanskrit and Drawing ..	Ditto.
56	Western Inglis Memorial High School, Bareilly.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.
57	Edward Memorial High School, Bareilly.	Persian, Sanskrit and Drawing ..	Ditto.
58	Government High School, Bijnor	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.
59	Government Bullock High School, Najibabad, district Bijnor.	Persian, Arabic, Sanskrit and Drawing.	Ditto.
60	Government High School Budaun.	Persian, Sanskrit, Drawing and Science.	Ditto.
61	Meston Islamia High School, Budaun.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.
62	Government Intermediate College, Moradabad.	Persian, Sanskrit, Drawing and Science.	Ditto.
63	Coronation Hindu High School, Moradabad.	Ditto ..	Ditto.
64	Parker High School, Moradabad..	Ditto ..	Ditto.

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		ROHILKHAND—(*concluded*).		
65	Hewett Muslim High School, Moradabad.	Persian, Arabic, Sanskrit and Drawing.	Urdu and Hindi.	
66	Government High School, Amroha (district Moradabad).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
67	Dhian Singh Memorial High School, Kanth (district Moradabad).	Persian, Sanskrit and Drawing ..	Ditto.	
68	King George Union High School, Sambhal (district Moradabad).	Persian and Sanskrit ..	Ditto ..	Provisional recognition extended to 1932.
69	Shiam Sundar Memorial Intermediate College, Chandausi, district Moradabad.	Persian, Sanskrit, Drawing Science and Commerce.	Ditto.	
70	Government High School, Shahjahanpur.	Persian, Arabic, Sanskrit, Drawing, Science, Manual Training and Commerce.	Ditto.	
71	Abbie Rich High School, Shahjahanpur	Persian, Arabic, Sanskrit, Drawing and Science,	Ditto.	

72	Government High School, Pilibhit.	Persian, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
		ALLAHABAD DIVISION.		
73	Government High School, Farrukhabad.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
74	Government High School, Fatehgarh.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
75	Christian High School, Farrukhabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
76	Diamond Jubilee High School, Kanauj, district Farrukhabad.	Persian, Sanskrit, Science and Agricultural Botany.	Ditto.	
77	Aditya Kumari Kshattriya High School, Tirwa, district Farrukhabad.	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally up to 1932.
78	Government Intermediate College, Etawah.	Ditto ..	Ditto.	
79	Islamia High School, Etawah ..	Persian, Arabic, Drawing and Science.	Urdu.	

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Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		ALLAHABAD DIVISION—*(continued)*.		
80	Sanatan Dharma High School, Etawah.	Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	
81	Government High School, Cawnpore.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
82	Halim Muslim High School, Cawnpore.	Persian, Arabic, Drawing and Science.	Ditto.	
83	Gur Narain Khattri High School, Cawnpore.	Persian Sanskrit. Drawing and Science.	Ditto ..	Provisional recognition extended to 1932.
84	Christ Church High School, Cawnpore.	Ditto ..	Ditto.	
85	Kanya Kubja High School, Cawnpore.	Persian, Sanskrit and Drawing ..	Ditto.	
86	D. A.-V. High School, Cawnpore..	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1932.
87	Pandit Pirthi Nath High School, Cawnpore.	Ditto ..	Ditto.	

88	Bishambhar Nath Sanatan Dharma Intermediate College, Cawnpore.	Persian, Sanskrit, Drawing, Commerce, Science and Manual Training.	Ditto ..	Recognized provisionally up to 1931.
89	Shri Marwari Vidyalaya, Cawnpore.	Sanskrit, Drawing, Commerce, History and Geography.	Hindi ..	Recognized provisionally up to 1932.
90	Government High School, Fatehpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
91	Government Intermediate College, Allahabad.	Persian, Arabic, Sanskrit, Drawing, Science and Manual Training.	Ditto.	
92	Ewing Christian Intermediate College, Allahabad.	Persian, Arabic, Sanskrit, Drawing, Science, Manual Training and Agricultural Botany.	Ditto.	
93	Kayastha Pathshala Intermediate College, Allahabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
94	Vidyamandir High School, Allahabad.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1931.
95	Daraganj High School, Allahabad	Persian, Sanskirt, Drawing and Science.	Ditto.	

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Institutions against the names of which there is no mention of their History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		ALLAHABAD—(*concluded*).		
96	D. A.-V. High School, Allahabad	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi ..	Recognized provisionally in Science up to 1932.
97	Modern High School, Allahabad..	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
98	City A.-V. High School, Allahabad	Persian, Sanskrit, Drawing, Science and Manual Training.	Urdu, Hindi and Bengali.	
99	Anglo-Bengali Intermediate College, Allahabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
		JHANSI DIVISION.		
100	Government Intermediate College, Jhansi.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
101	Government High School, Lalitpur.	Persian, Sanskrit and Drawing ..	Ditto.	
102	MacDonnell High School, Jhansi	Persian, Sanskrit, Drawing and Science.	Ditto.	

103	Government High School, Hamirpur.	Persian, Sanskrit and Drawing ..	Ditto.
104	Government High School, Orai (Jalaun).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.
105	Government High School, Banda	Persian, Sanskrit, Drawing and Science.	Ditto.
		BENARES DIVISION.	
106	Queen's Intermediate College, Benares.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.
107	Cutting Memorial High School, Benares.	Persian, Sanskrit, Science and Commerce.	Ditto.
108	Jai Narayan's High School, Benares.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.
109	Udai Pratap College and Hewett Kshattriya School, Benares.	Ditto ..	Ditto.
110	Bengali Tola High School, Benares.	Persian, Sanskrit, Drawing and Science.	Urdu, Hindi and Bengali.
111	Harish Chandra High School, Benares.	Ditto ..	Urdu and Hindi.

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.-
		BENARES DIVISION— *(concluded).*		
112	Anglo-Bengali High School, Benares.	Sanskrit, Drawing and Science ..	Hindi and Bengali ..	Recognized provisionally in Science up to 1932.
113	D. A.-V. High School, Benares..	Ditto ..	Urdu and Hindi ..	Provisional recognition in Science extended to 1932.
114	Government High School, Mirzapur.	Persian, Sanskrit, Drawing and Science.	Ditto.	
115	Babu Lal Jaiswal High School, Mirzapur.	Ditto ..	Ditto.	
116	Anglo-Sanskrit Jubilee High School, Mirzapur.	Ditto ..	Ditto.	
117	Government High School, Jaunpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
118	Priya Nath Ghosh High School, Jaunpur.	Ditto ..	Ditto.	
119	Kshattriya High School, Jaunpur	Persian, Sanskrit, Drawing and Science.	Ditto.	

120	Government Victoria High School, Ghazipur.	Persian, Arabic, Sanskrit, Drawing, Science and Commerce.	Ditto.	
121	City High School, Ghazipur ..	Persian, Sanskrit, Drawing and Science.	Ditto.	
122	Government High School, Ballia	Ditto ..	Ditto.	
123	L. D. Meston High School, Ballia.	Persian Sanskrit and Drawing ..	Ditto.	
124	Anglo-Vernacular High School, Ballia.	Ditto ..	Ditto ..	Recognized provisionally up to 1932.
125	Meston High School, Ramnagar (Benares State).	Persian, Sanskrit, Drawing and Science.	Ditto.	
126	Lovett High School, Gyanpur (Benares State).	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
		GORAKHPUR DIVISION.		
127	Government Jubilee High School, Gorakhpur.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi.	

*NOTE—Science = Phisycs and Chemistry.

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Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		GORAKHPUR DIVISION— *(concluded).*		
128	George Islamia High School, Gorakhpur.	Persian, Arabic and Sanskrit ..	Urdu and Hindi ..	Provisional recognition extended to 1930. Recognized permanently from 1931.
129	Gorakhpur High School, Gorakhpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto ..	Provisional recognition extended up to 1932.
130	St. Andrew's Collegiate School, Gorakhpur.	Persian, Sanskrit, Drawing and Science.	Ditto.	
131	King Edward Government High School, Deoria.	Persian, Arabic, Sanskrit and Drawing.	Ditto.	
132	Government High School, Basti	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
133	Anglo-Sanskrit High School, Basti.	Persian, Sanskrit, and Drawing ..	Ditto ..	Recognized provisionally up to 1932.
134	Ratan Sen High School, Bansi, district Basti.	Persian, Sanskrit, Drawing and Science.	Ditto.	

135	Wesley High School, Azamgarh	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
136	George High School, Azamgarh ..	Persian, Arabic and Sanskrit ..	Ditto ..	Provisional recognition extended to 1931.
137	Smith High School, Azmatgarh, district Azamgarh.	Persian and Sanskrit ..	Ditto ..	Ditto.
		KUMAUN DIVISION.		
138	Government High School, Naini Tal.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
139	Lala Chet Ram Sah Thulgharia High School, Naini Tal.	Persian, Sanskrit, Drawing and Commerce.	Ditto ..	Recognized provisionally in Commerce up to 1931.
140	Government Intermediate College, Almora.	Persian, Sanskrit, Drawing and Science.	Ditto.	
141	Ramsay High School, Almora	Ditto ..	Ditto.	
142	Messmore High School, Pauri, Garhwal.	Sanskrit, Drawing and Science ..	Hindi ..	Provisional recognition extended to 1932.
143	Government High School, Srinagar (Garhwal).	Ditto ..	Urdu and Hindi.	

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognized after History-Geography was slipt up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		KUMAUN DIVISION—(*concluded*).		
144	Uderaj Hindu High School, Kashipur.	Persian, Sanskrit and Drawing ..	Urdu and Hindi.	
145	King George Government High School, Lansdowne.	Sanskrit and Drawing ..	Ditto ..	Recognized provisionally in Urdu for 1930. Recognized permanently in Urdu from 1931.
		LUCKNOW DIVISION.		
146	Government Jubilee Intermediate College, Lucknow.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi	
147	Husainabad Government High School, Lucknow.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
148	C. M. S. Birkett High School, Lucknow.	Persian, Sanskrit, Drawing and Science.	Ditto.	
149	Kalicharan High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	

150	Queen's Anglo-Sanskrit High School, Lucknow.	Ditto ..	Urdu, Hindi and Bengali.	
151	Lucknow Christian College, Lucknow.	Persian, Sanskrit, Science and Commerce.	Urdu and Hindi.	
152	Hari Chand High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Provisional recognition extended to 1930.
153	Aminabad High School, Lucknow	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
154	Colvin Taluqdars' High School, Lucknow.	Persian, Sanskrit, Science, and Agricultural Botany.	Ditto.	
155	Amiruddaulah Islamia High School, Lucknow.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
156	Girdhari Singh Pathshala, Lucknow.	Persian, Sanskrit, Drawing and Science.	Ditto ..	Provisional recognition extended to 1930.
157	D. A.-V. High School, Lucknow..	Ditto ..	Ditto ..	Recognized provisionally in Science up to 1932.
158	Shia Intermediate College, Lucknow.	Persian, Arabic and Drawing ..	Urdu ..	Provisional recognition extended to 1932.
159	Kanya Kubja Intermediate College, Lucknow.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	

NOTE.—Science=Phsics and Chemistry.

* These subjects are shown against the names of those schools only which are recognized after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		LUCKNOW DIVISION— *(continued).*		
160	Government High School, Unao..	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
161	K. D. J. High School, Maurawan, district Unao.	Persian, Sanskrit and Science ..	Ditto.	
162	Government High School, Rae Bareli.	Persian, Arabic. Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
163	Hindu High School, Rae Bareli ..	Persian, Sanskrit and Drawing ..	Ditto.	
164	Government High School, Sitapur	Persian, Arabic, Sanskrit, Drawing, Science, Manual Training and Commerce.	Ditto.	
165	Colvin High School, Mahmudabad, district Sitapur.	Persian, Arabic, Sanskrit and Science.	Ditto.	
166	Seth Jai Dayal High School, Biswan, district Sitapur.	Persian, Sanskrit and Science ..	Ditto.	
167	Raja's A.-V. High School, Sitapur.	Persian, Arabic, Sanskrit Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1931.

168	Government High School, Hardoi	Ditto ..	Ditto.	
169	King George's Kshattriya High School, Hardoi.	Persian, Sanskrit, Drawing and Science.	Ditto.	
170	Dharam Sabha High School, Lakhimpur	Ditto ..	Ditto ..	Provisional recognition extended to 1932.
171	Government High School, Lakhimpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
		FYZABAD DIVISION.		
172	Government Intermediate College, Fyzabad.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
173	Forbes High School, Fyzabad ..	Persian, Arabic, Sanskrit and Drawing.	Ditto ..	Provisional recognition extended to 1932.
174	Manohar Lal High School, Fyzabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
175	Government High School, Gonda	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
176	Lyall Collegiate School, Balrampur, district Gonda.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	

NOTE.—Science=Physics and chemistry.

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Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		FYZABAD DIVISION— *(concluded).*		
177	Government High School, Sultanpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
178	Government High School, Partabgarh.	Ditto ..	Ditto.	
179	Ajit Sombansi High School, Partabgarh.	Persian, Sanskrit and Drawing ..	Ditto.	
180	Government High School, Bara Banki.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
181	Government High School, Bahraich.	Ditto ..	Ditto.	
182	Bisheshwar Nath High School, Akbarpur.	Persian, Sanskrit, History and Geography.	Ditto ..	Recognized provisionally up to 1931, and permanently from 1932.
		GIRLS' HIGH SCHOOLS.		
183	Lal Bagh Girls' High School, Lucknow.	Domestic Science, History and Geography.	Urdu and Hindi.	

184	Mahila Vidyalaya, Lucknow ..	Sanskrit and History ..	Hindi ..	Recognised provisionally up to 1931.
185	Muslim Girls' High School, Lucknow.	Persian and Domestic Science ..	Urdu and Hindi.	
186	Balika Vidyalaya, Cawnpore ..	Sanskrit, Domestic Science and History.	Hindi and Bengali ..	Provisional recognition extended to 1932.
187	A. P. Mission Girls' High School, Dehra Dun.	Persian and Domestic Science ..	Urdu and Hindi.	
188	Mahadevi Kanya Pathshala, Dehra Dun.	Sanskrit and Domestic Science ..	Ditto ..	Provisional recognition extended to 1931.
189	M. E. Mission Girls' High School, Meerut.	Persian	Urdu.	
190	Queen Victoria Girls, High School, Agra	Domestic Science	Do.	
191	Muslim Girls' High School, Aligarh.	Persian, Arabic, History and Geography.	Do.	Recognized provisionally up to 1930.
192	Theosophical National Girls' School and Women's College, Benares.	Sanskrit and Drawing. ..	Hindi, Bengali, Marathi and Gujrati.	Provisional recognition extended to 1932.

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognized after History-Geography was slipt up into two separate with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remraks.
		GIRLS' HIGH SCHOOLS— (*concluded.*)		
193	Crosthwaite Girls' College, Allahabad.	Persian, Sanskrit, Drawing and Domestic Science.	Urdu, Hindi, Marathi, Gujrati and Bengali.	Recognised provisionally in Domestic Science up to 1931.
194	Jagat Taran Girls' High School, Allahabad.	Sanskrit, Drawing and Domestic Science.	Bengali ..	Provisional recognition extended to 1932.
195	Mary Wanamaker Girls' High School, Allahabad.	Persian and Domestic Science ..	Urdu and Hindi.	
		HIGH SCHOOLS FOR EUROPEANS.		
196	St. George's Intermediate College, Mussoorie.	Recognized in all the subjects taught by the University for the Entrance Examination previous to the passing of the Universities Act of 1904.		
197	St. Joseph's Collegiate School. Allahabad.	Ditto.		

NOTE.—Science=Phisyes and Chemistry.

* These subjects are shown against the names of those schools only which are recognised after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

LIST OF INSTITUTIONS OUTSIDE THE UNITED PROVINCES RECOGNIZED FOR THE EXAMINATIONS CONDUCTED BY THE BOARD OF HIGH SCHOOL AND INTERMEDIATE EXAMINATION OF 1930.

List of institutions situated in Ajmer-Merwara and Rajputana Agency and admitted to the privileges of recognition by the United Provinces Board for the High School and Intermediate examinations of 1930.

Serial no.	Name of institution.	Optional subjects—(including History* and Geography * whether optional or compulsory—and the Vernaculars in which recognition has been granted.	Remarks.
	HIGH SCHOOLS.		
1	Railway Anglo-Vernacular High School, Abu Road.	Persian, Sanskrit, Science, Drawing, Urdu, Hindi and Gujrati.	
2	Government High School, Ajmer ..	Persian, Sanskrit, Science, Commerce, Drawing, Urdu and Hindi.	

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognised after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	Name of institution.	Optional subjects—including History* and Geography * whether optional or compulsory—and the Vernaculars in which recognition has been granted.	Remarks.
	HIGH SCHOOLS—(*concluded*).		
3	D. A.-V. High School, Ajmer ..	Sanskrit, Science and Hindi.	
4	Husband Memorial High School, Ajmer ..	Persian, Sanskrit, Science, Hindi and Urdu.	
5	St. Anslem's High School, Ajmer ..	Latin, French, Science, Drawing and Urdu.	
6	Convent High School, Ajmer ..	French, German, Drawing and Urdu.	
7	Moina Islamia High School, Ajmer ..	Persian, Drawing and Urdu.	
8	Mission High School, Beawar ..	Persian, Arabic, Sanskrit, Science, Hindi and Urdu.	
9	Sanatan Dharam Prakashini Pathshala, Beawar.	†Persian, Sanskrit, Science, Drawing, Commerce, Urdu and Hindi.	† Provisional recognition in Persian extended to 1932.
10	Cantonment Mission High School, Nasirabad.	Persian, Sanskrit, Commerce,‡ Urdu and Hindi.	‡Provisional recognition in Commerce extended to the High School Examination of 1930.
	INTERMEDIATE COLLEGE.		
11	Government College, Ajmer	Persian, Sanskrit, History, Logic, Mathematics, Physics, Chemistry and Economics.	

List of institutions situated in the Indian states of Rajputana admitted to the privileges of recognition by the United Provinces Board for the High School and Intermediate examinations of 1930.

	HIGH SCHOOLS.		
1	Sadar High School, Bharatpur ..	Persian, Sanskrit, Science, Urdu and Hindi.	
2	Dunger Collegiate School, Bikaner ..	Persian, Sanskrit, Science, Drawing, Urdu and Hindi.	
3	Walter Nobles' High School, Bikaner ..	Sanskrit and Hindi.	
4	Darbar High School, Bundi	Persian, Sanskrit, Urdu and Hindi.	
5	U. F. C. Mission High School, Jaipur ..	Ditto.	
6	Maharaja's High School, Jaipur ..	Persian, Arabic, Sanskrit, Science, Drawing, Commerce,§ Urdu, Hindi and Bengali.	§Recognised provisionally in Commerce up to 1930. Recognised permanently in Commerce with effect from the High School Examination of 1931.
7	Chandpol High School, Jaipur ..	Persian, Sanskrit, Urdu and Hindi ..	
8	Anglo-Vedic High School, Jobner (Jaipur State).	Ditto.	
9	State High School, Khetri (Jaipur State)	Persian, Sanskrit, Science, Urdu and Hindi.	

NOTE.—Science=Physics and Chemistry.

*These subjects are shown against the names of those schools only which are recognised after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	Name of institution.	Optional subjects—including History* and Geography * whether optional or compulsory—and the Vernaculars in which recognition has been granted.	Remarks.
	HIGH SCHOOLS—(*concluded.*)		
10	Pareek Pathshala, Jaipur	Sanskrit and Hindi	Recognised provisionally up to the High School Examination of 1930. Recognised permanently with effect from the High School Examination of 1931.
11	Birla High School, Pilani (Jaipur State)	Sanskrit, Commerce and Hindi.	
12	Chirawa Vidyalaya, Chirawa (Jaipur State)	Ditto	Provisional recognition extended to 1930. Recognised permanently from 1931.
13	Darbar High School, Jodhpur ..	Persian, Sanskrit, Science, Commerce, Drawing, Urdu and Hindi.	
14	Rajput High School, Jodhpur.. ..	Sanskrit, Hindi, Drawing and Agriculture ..	Recognised provisionally in Drawing and Agriculture up to 1931.
15	Sri Pratab High School, Jodhpur ..	Persian, Sanskrit, Science, Drawing, Urdu and Hindi.	

16	Shree Summer Pushtikar High School, Jodhpur.	Sanskrit and Hindi.	
17	Maharaja's High School, Karauli ..	Persian, Sanskrit, Urdu and Hindi.	
18	Herbert High School, Kotah	Persian, Arabic, Sanskrit, Science, Drawing, Urdu and Hindi.	
19	Anglo-Vernacular High School, Baran (Kotah State).	Sanskrit, Science, Drawing and Hindi.	
20	Darbar High School, Tonk	Persian, Arabic, Sanskrit, Urdu and Hindi ..	
21	Maharana's Intermediate College, Udaipur.	Persian, Sanskrit, Science, Drawing, Urdu and Hindi.	Recognition in Science and Drawing extended to the High School Examination of 1932.
22	Darbar High School, Jhalrapatan (Jhalawar State).	Persian, Sanskrit, Science, Drawing Urdu and Hindi.	
23	Maharana High School, Dholpur ..	Ditto .	
24	A.-V. Pinhey High School, Dungarpur ..	Sanskrit, History, Geography and Hindi ..	Recognised provisionally up to 1932.

NOTE.—Science=Physics and Chemistry.

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Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	Name of institution.	* Optional subjects (including History* and Geography* whether optional or compulsory) and the Vernaculars in which recognition has been granted.	Remarks.
	INTERMEDIATE COLLEGES.		
25	Maharaja's College, Jaipur	Persian, Arabic, Sanskrit, Logic, Ancient History, Modern History, Mathematics, Physics, Chemistry, Economics, Biology, Urdu and Hindi.†	†Provisional recognition in Urdu and Hindi extended to 1932.
26	Maharana's Intermediate College, Udaipur	Persian, Sanskrit, Logic, Ancient or Modern History, Mathematics, Economics, Physics and Chemistry.	Provisional recognition extended to 1932.
27	Jaswant College, Jodhpur	Persian, Sanskrit, Logic, Ancient History, Economics, Mathematics, Physics, Chemistry, Hindi, Modern History and Biology.	Recognised provisionally in Hindi and Modern History up to 1931. Provisional recognition in Biology extended to 1932.
28	Herbert Intermediate College, Kotah ..	Persian, Sanskrit, Modern History, Economics, Mathematics, Physics, Chemistry, Civics, and Logic.	Recognised provisionally in Civics and Logic up to 1931.
29	Dungar Intermediate College, Bikaner ..	Sanskrit, Logic, Modern History, Economics, Mathematics and Hindi.	Recognised provisionally up to 1931.

List of institutions in Gwalior State admitted to the privileges of recognition by the United Provinces Board for the High School and Intermediate Examinations of 1930.

	HIGH SCHOOLS.		
1	Victoria Collegiate School, Lashkar ..	Persian, Sanskrit, Science, Drawing, Urdu, Hindi and Marathi.	
2	Morar High School, Morar	Persian, Sanskrit, Science, Agriculture, Urdu and Hindi.	
3	Madhava College, Ujjain	Persian, Sanskrit, Science, Drawing†, Agriculture, Urdu, Hindi and Marathi.	†Recognized provisionally in Drawing up to 1931.
4	Sardar High School, Gwalior	Persian, Sanskrit, Science, Drawing, Agriculture, Hindi, Urdu and Marathi.	
	INTERMEDIATE COLLEGES.		
5	Victoria College, Lashkar	Persian, Arabic, Sanskrit, Ancient History, Modern History, Logic, Economics, Mathematics, Physics, Chemistry, Biology and Hindi ‡.	‡Provisional recognition in Biology and Hindi to lapse after the examination of 1930.
6	Madhava College, Ujjain	Sanskrit, Modern History, Economics, Hindi, Marathi, Mathematics, Physics and Chemistry.	Recognised provisionally up to 1931.

NOTE.—Science=Physics and Chemistry.

*These subjects are shown against the names of those schools only which are recognised after History-Geography was spilt up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

List of institutions in Central India admitted to the privileges of recognition by the United Provinces Board for the High School and Intermediate Examinations of 1930.

Serial no.	Name of institution.	Optional subjects (including History* and Geography * whether optional or compulsory) and the Vernaculars in which recognition has been granted.	Remarks.
	HIGH SCHOOLS.		
1	Government High School, Nowgong ..	Persian, Sanskrit, Science, Drawing, Agriculture, Urdu and Hindi.	
2	†Khan Bahadur Edulji Pestonji Memorial High School, Mhow.	Persian, Sanskrit, Science, Drawing, Urdu, Hindi, Marathi and Gujrati.	Recognised provisionally up to 1932.
3	Convent High School, Mhow	French and Drawing.	
4	Mahendra High School, Tikamgarh ..	Persian, Sanskrit, Urdu and Hindi.	
5	Ganga Singh High School, Charkhari ..	Ditto.	
6	Maharaja's High School, Chhatarpur ..	Ditto.	
7	Rudrapratap High School, Panna ..	Persian, Sanskrit, Science, Urdu and Hindi.	
8	Lord Reading High School, Datia ..	Persian, Sanskrit, Science, Drawing, Urdu, Hindi and Bengali.	
9	Darbar High School, Rewa	Persian, Sanskrit, Science, Drawing, Urdu and Hindi.	

10	Venkat High School, Sutna	Persian, Sanskrit, Science, Urdu and Hindi.	
11	King-Emperor George V High School, Dewas (S. B.)	Sanskrit, Science, Drawing, Hindi and Marathi.	
12	Victoria High School, Dewas (J. B.) ..	Persian, Sanskrit, Science, Drawing, Urdu, Hindi and Marathi.	
13	Barr High School, Jaora	Persian, Science, Urdu and Hindi.	
14	Darbar High School, Ratlam	Persian, Sanskrit, Science, Drawing, Urdu and Hindi.	
15	Bench High School, Rajgarh	Persian, Sanskrit, Urdu and Hindi.	
16	Victoria High School, Narsingarh ..	Persian, Sanskrit, Urdu and Hindi.	
17	Government High School, Sehore Cantonment.	Persian, Sanskrit, Science, Drawing, Urdu and Hindi.	
18	King Edward High School, Sailana ..	Persian, Sanskrit, Drawing, Urdu and Hindi.	
19	Anand High School, Dhar	Persian, Sanskrit, Science, Drawing, Urdu, Hindi and Marathi.	
20	Victoria High School, Barwani ..	Persian, Sanskrit, Urdu, Hindi and Science..	Recognised provisionally in Science up to 1932.

NOTE.—Science=Physics and Chemistry.

*These subjects are shown against the names of those schools only which are recognised after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

†This was formerly styled as Zorastrian High School.

Serial no.	Name of institution.	Optional subjects (including History* and Geography* whether optional or compulsory) and the Vernaculars in which recognition has been granted.	Remarks.
21	Sir Ram Singh High School, Sitamau ..	Persian, Sanskrit, Drawing, Hindi and Marathi.	
22	Maharaja Shivaji Rao High School, Indore	Persian, Sanskrit, Science, Drawing, Urdu, Hindi, Bengali, Gujrati and Marathi.	
23	Tilokchand Jain High School, Indore ..	Sanskrit, Drawing, Science, Commerce‡ and Hindi.	‡Recognised provisionally in Commerce up to 1930. Recognition in Commerce to be withdrawn with effect from the High School Examination of 1931.
24	Government High School, Indore Residency.	Persian, Sanskrit, Drawing, Science, Urdu, Hindi, Marathi, and Gujrati.	
25	Malhar Ashram High School, Indore ..	Sanskrit, Drawing, Science, History, Geography, Hindi and Marathi.	Recognised provisionally up to 1930. Recognition to cease after 1930.
26	M. S. D. Ahilyabai High School, Khargone (Indore State).	Persian, Sanskrit, Drawing, History, Geography, Urdu, Hindi and Marathi.	Recognised provisionally up to 1932
27	Canadian Presbyterian Mission Girls' High School, Indore.	Persian, Science, Latin, French, Urdu and Hindi.	

28	Chandravati Mahila Vidyalaya, Indore ..	Sanskrit, Drawing, Science, Hindi and Marathi.	
29	Daly College, Indore	Science, Urdu and Hindi.	
	INTERMEDIATE COLLEGES.		
30	Holkar College, ndore	Persian, Sanskrit, Logic, History, Economics, Mathematics, Physics, Chemistry, Hindi and Marathi.†	†Provisional recognition in Hindi and Marathi extended to 1932.
31	Indore Christian College, Indore ..	Persian, Sanskrit, Logic, History, Economics and Mathematics.	

NOTE.—Science=Physics and Chemistry.

*These subjects are shown against the names of those schools only which are recognised after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Schools against the names of which there is no mention of either *History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

APPENDIX A.

Dates of the High School, Intermediate, and Intermediate Examinations in Commerce and Agriculture of 1930.

In 1930—The High School, the Intermediate, the Intermediate Examinations in Commerce and Agriculture will commence on March 24, 1930.

APPENDIX B.

Byelaws of the Board framed under section 20 of the Intermediate Education Act, 1921.

1. At all meetings of the Board, seven members inclusive of the Chairman shall form a quorum.

2. If a quorum is not present thirty minutes after the advertised time of the meeting, there shall be no meeting.

3. If, in the course of a meeting any member calls attention to the absence of a quorum, the Chairman shall dissolve the meeting.

4. Every question shall be decided by a majority of the votes of the members present. In the case of the votes being equally divided, the Chairman shall have a second vote.

5. If a member continuously disregards or questions any order or ruling of the Chairman made at a meeting of the Board, the Chairman may take the vote of the meeting as to whether such member shall not be suspended for that day. If the members present decide upon suspension, the Chairman shall declare the offending member suspended, and such member shall be bound immediately to withdraw.

6. No motion which has been negatived by the Board shall be again brought forward, except with the permission of the Chairman, within one year from the date upon which it was negatived.

7. All meetings of the Board shall be presided over by the *ex-officio* Chairman of the Board. In the absence of the Chairman, the members present shall elect a Chairman.

8. Meetings of the Board and of its committees shall, unless for special reasons the Chairman otherwise directs, be held at Allahabad.

9. The election of co-opted members of the Board shall be held at the annual meeting of the Board.

10. Notice in writing of meetings of the Board shall be despatched to all members of the Board not less than three weeks before the meeting, together with the agenda paper for the meeting.

11. No business other than that contained in the agenda paper shall be transacted at a meeting unless with the consent of the Chairman.

12. Notice of a motion or resolution to be moved at a meeting of the Board must be in the hands of the Secretary not less than 10 days before the meeting.

13. All questions as to whether proper notice of a motion has been given shall be decided by the Chairman, whose decision shall be final.

14. (*a*) No motion or resolution of which due notice has not been given may be moved at a meeting of the Board, except—

(1) to adjourn a debate.

(2) to adjourn the meeting,

(3) to dissolve the meeting,

(4) to change the order of business,

(5) to refer any matter to any authority of the department or the University or the Government,

(6) to pass to the next item of business,

(7) to appoint a committee,

(8) to resolve the meeting into a committee,

(9) to propose that the question be now put.

(*b*) A motion under (1), (2), (6) or (9) above shall be put to the vote without discussion.

(*c*) Motions under (1), (2), (3), (4), (6), (8) and (9) shall only be moved with the previous consent of the Chairman.

15. Every motion shall be affirmative in form, and shall begin with the words " that ".

16. Every motion must be seconded, otherwise it shall drop. The seconder of a motion may reserve his speech with the permission of the Chairman.

17. When a motion that is in order has been seconded, it shall be stated from the Chair, before it is discussed.

18. If no member rises to speak to the motion after it has been stated from the Chair, the Chairman shall proceed to put the question to the vote.

19. Not more than one motion and one amendment thereto sha ll be placed before the meeting at the same time.

20. A motion once disposed of shall not be again brought forward at the same meeting, or at any adjournment thereof.

21. No amendment shall be proposed which would in effect constitute a direct negative to the original motion.

22. Every amendment must be relevant to the motion upon which it is moved.

23. No amendment shall be proposed which substantively raises a question already disposed of by the meeting, or which is inconsistent with any resolution already passed by it.

24. The order in which amendments that are in order are to be taken up shall be determined by the Chairman.

25. An amendment must be seconded in the same way as a motion, otherwise it shall drop. A seconder of an amendment may reserve his speech with the permission of the Chairman.

26. When an amendment that is in order has been moved and seconded, it shall be stated from the Chair.

27. The mover of a motion for dissolution or adjourmnent has no right of reply.

28. When the Chairman has ascertained that no other member entitled to address the meeting desires to speak the mover of the original resolution may reply upon the whole debate.

29. No member shall speak to the question after the mover has entered on his reply.

30. When the debate is concluded, the Chairman shall, after summing up, if he so desires, put the question to the vote thus :—

(1) If there is an amendment, the Chairman shall state the motion and the amendment and take the vote of the meeting.

(2) If the amendment is negatived, the original motion shall be again stated from the Chair, and, subject to the foregoing regulations, any other amendment which is in order may then be proposed thereto.

(3) If an amendment is carried, the motion, as amended, shall be stated from the Chair, and may then be debated as a substantive question, to which any further amendments to the original motion which are in order, so far as they shall be applicable, may be proposed, subject to the foregoing regulations. Such further amendments shall be disposed of in the same manner as the original amendment. When all the amendments have been thus dealt with, the Chairman shall take the vote of the meeting on the motion, as amended, as the substantive resolution.

31. A motion for dissolution or adjournment may be moved at any time as a distinct question, but not as an amendment, nor so as to interrupt a speech.

32. If a motion for dissolution is carried, the business before the meeting shall drop.

33. If a motion for adjournment is carried, the meeting shall be adjourned, and the business shall be resumed at the adjourned meeting.

34. A motion for the adjournment at a debate to some specified date and hour may be moved in the like manner, and if it be carried shall have the effect of postponing the debate on the question under consideration till the date and hour specified, and the other items on the agenda paper shall be proceeded with. If the motion be negatived, the debate shall be resumed.

35. A meeting or a debate, renewed or continued after an adjournment is to be deemed one with that preceding the adjournment.

36. A motion to pass to the next item of business may be made at any time, in like manner, and subject to the same rules as one for adjournment. If such motion be carried, the motion under consideration and the amendment thereon, if any, shall drop.

37. At any time after a motion or amendment has been made a member may request the Chairman to put the question, and, if it appears to the Chairman that the motion has been sufficiently discussed, he may close the discussion by calling upon the mover for his reply, and may then put the question to the vote.

38. No member shall speak for more than fifteen minutes. When proposing a motion or amendment, or for more than ten minutes when seconding or speaking to a motion or amendment, or when replying.

39. The Chairman may, at any stage in the proceedings, at his own discretion or at the request of a member, explain the scope and effect of the motion or amendment which is before the meeting. He may also, at the conclusion of a debate, sum up the debate, if he so desires.

40. Any member may, with the permission of the Chairman, rise, even while another is speaking, to explain any expression used by himself which may have been misunderstood by the speaker, but he shall confine himself strictly to such explanation.

41. Any member may call the Chairman's attention to a point of order even while another member is addressing the meeting, but no speech shall be made on such point of order.

42. The Chairman shall be the sole judge on any point of order, and may call any member to order, and may, if necessary, dissolve the meeting or adjourn it to some hour on the same or the following day.

43. A motion or amendment may be withdrawn by permission of the Chairman by any member who has given notice of such motion or amendment.

44. Any motion or amendment standing in the name of a member who is absent from a meeting may be brought forward by any other member.

45. On putting any question to the vote, the Chairman shall call for an indication of the opinion of the Board by a show of hands in the affirmative and negative and shall declare the result thereof according to his opinion.

46. A motion for the appointment of a committee on a subject under debate may be made by any member at any time, and without previous notice.

47. A motion for the appointment of a committee must define the purpose for which the committee is to serve and the number of members to compose it. Amendments for enlarging or restricting the number may be made without previous notice. If the motion is carried, the member moving shall name the persons whom he wishes to form the committee. A ballot shall then be taken, if necessary, and the requisite number appointed from those who obtain the largest number of votes.

48. The convener of a committee shall be appointed at the time of the appointment of the committee.

49. The resolutions of a committee appointed by the Board shall be embodied in a report. The report shall be presented to the Board at its next meeting, subject to due notice.

50. Notice of meetings of committees may be sent to members by the Conveners through the Secretary or direct, but in the latter case a copy of the notice must invariably be sent to the Secretary.

51. Meetings of all ordinary committees of the Board shall, as far as possible, be held immediately before the meetings of the Board.

52. The Convener of a committee shall furnish to the Secretary a copy of the report of every meeting of the committee together with a list of the members present.

53. The quorum of a committee shall not be less than a majority of the members constituting it.

54. If the meeting of a committee fails for want of a quorum, the meeting may be adjourned to some other date when the members present will, even in the absence of a quorum, transact the business notified for the original meeting. The business of a meeting which fails for want of a quorum may also be transacted by correspondence.

55. Committees of Courses may dispose of their business partly by meeting and partly by correspondence.

56. At meetings of committees of the Board every question shall be decided by a majority of the votes of the members present. In the case of the votes being equally divided, the person presiding shall have a second vote.

56(*a*). A member of a Committee of Courses or of the Curriculum Committee or of a Sub-Committee who has or has had any pecuniary interest in a book which is submitted to the Committee or Sub-Committee for consideration as a text-book or for class use shall withdraw from the meeting while the book is under discussion.

57. As soon as practicable, after meeting of the Board, a draft of the minutes of such meeting shall be submitted by the Secretary to the Chairman and attested by him. The minutes shall then be printed and circulated to all members and such of them as were present shall, within a fortnight of the issue of the minutes, communicate to the Secretary any exceptions they may take to the correctness thereof. The minutes and the exceptions taken, if any, shall be laid before the next meeting of the Board, and the minutes in their final form shall then be confirmed.

58. In any case not provided for by these byelaws the Chairman shall be entitled to give his own ruling as to procedure.

APPENDIX C.

List of the Panel of Inspectors for the Inspection of Intermediate Colleges.

The following persons have been nominated by the Board under Regulation 4, Chapter VII of the Board's Regulations, for the inspection of intermediate Colleges in association with the Divisional Inspector of Schools :—

1. Dr. S. A. Khan, Head of the Department of History, Allahabad University, Allahabad.
2. Dr. P. K. Acharya, Head of the Sanskrit Department, Allahabad University, Allahabad.
3. Dr. N. R. Dhar, Professor, Allahabad University, Allahabad.
4. Mr. A. A. Simpson, Principal, Training College, Allahabad.
5. Mr. H. Tinker, Inspector of Schools, Allahabad Division, Allahabad.
6. Dr. Tara Chand, Principal, Kayastha Pathshala, University College, Allahabad.
7. The Rev. Canon A. W. Davies, late Principal, St. John's College, Agra.
8. Lala Diwan Chand, Principal, D.-A.-V. College, Cawnpore.
9. Dr. W. S. Dudgeon, Professor of Botany, Ewing Christian College, Allahabad.
10. Dr. S. Higginbottom, Principal, Agricultural Institute, Naini (Allahabad).
11. Mrs. Saralabai Naik, Principal, Muslim Girls' High School, Lucknow.
12. The Rev. Dr. J. R. Chitambar, M.A., D.D., Principal, Lucknow Christian College, Lucknow.
13. Mr. S. G. Dunn, Head of the English Department, Allahabad University, Allahabad.
14. Mr. B. Sanjiva Rao, Principal, Queen's Intermediate College, Benares.
15. The Rev. E. M. Moffatt, Principal, Christian School of Commerce Lucknow.
16. Mr. A. B. Dhruva, Pro-Vice-Chancellor, Benares Hindu University, Benares.
17. Dr. Ganesh Prasad, Hardinge Professor of Higher Mathematics, Calcutta University.
18. Mr. P. K. Telang, Professor of History, Benares Hindu University, Benares.
19. Mr. S. B. Smith, Professor of History, Lucknow University, Lucknow.

20. Dr. Radha Kamal Mukerjee, Professor of Economics and Sociology, Lucknow University, Lucknow.

21. Dr. Wali Muhammad, Professor of Physics, Lucknow University, Lucknow.

22. Dr. Zia-ud-din Ahmad, late Pro-Vice-Chancellor, Aligarh Muslim University, Aligarh.

23. Mr. M. M. Sharif, Professor of Philosophy, Aligarh Muslim University, Aligarh.

24. Dr. L. K. Hyder, Professor of Economics, Aligarh Muslim University, Aligarh.

25. Mr. M. Hyder Khan, Professor of Chemistry, Aligarh Muslim University, Aligarh.

26. Dr. A. S. Tritton, Professor of Arabic, Aligarh Muslim University, Aligarh.

27. Dr. K. C. Mehta, Professor of Biology, Agra College, Agra.

28. Mr. H. Krall, Professor of Chemistry, Agra College, Agra.

29. Mr. A. C. Dutt, Officiating Principal, Bareilly College, Bareilly.

30. Mr. T. D. Sully, Vice-Principal, St. John's College, Agra.

31. Major E. W. Dann, Professor, Aligarh Muslim University, Aligarh.

32. Mr. D. P. Bhattacharya, Professor of Mathematics, Bareilly College, Bareilly.

33. Mr. V. S. Tamma, Professor of Physics, Meerut College, Meerut.

34. Mr. Madho Prasad, Professor of Chemistry, Meerut College, Meerut.

35. Mr. Chand Bahadur, Professor of English and History, Meerut College, Meerut.

36. Mr. Lakshman Prasad, Principal, D. A.-V. Intermediate College, Dehra Dun.

37. Maulvi M. A. Nami, Lecturer, Arabic and Persian Department, Allahabad University, Allahabad.

38. Dr. N. G. Chatterji, Assistant Chemist, Government Technological Institute, Cawnpore.

39. Mr. F. Shah Gilani, Professor of Persian, Meerut College, Meerut.

40. Mr. C. D. Thompson, Head of the Economics Department, Allahabad University, Allahabad.

41. Mr. C. A. Warburton, Professor of Economics, Allahabad University, Allahabad.

42. Mr. J. A. Strang, Professor of Mathematics, Lucknow University, Lucknow.

43. Mr. W. G. P. Wall, Inspector of European Schools, United Provinces, Allahabad.

44. Mr. R. S. Weir, Assistant Director of Public Instruction, United Provinces, Allahabad.

45. Mr. S. P. Prasad, late Professor of Physics, Agra College, Agra.

46. Maulvi S. M. Ibn Ibrahim, Professor of Arabic and Persian, Agra College, Agra.

47. Mr. Hitkari Singh Seth, Professor of Zoology, Agra College, Agra.

48. Mr. J. C. Powell-Price, Inspector of Schools, Gorakhpur division, Gorakhpur.

49. The Rev. A. C. Pelly, Principal and Professor of English, St. Andrew's College, Gorakhpur.

50. Mr. G. N. Basu-Mullick, Professor of History, Meerut College, Meerut.

51. Mr. P. Seshadri, Principal, S. D. College of Commerce, Cawnpore.

52. Mr. R. H. Moody, Deputy Director of Public Instruction, United Provinces, Allahabad.

53. Dr. K. N. Bahl, Professor of Zoology, Lucknow University, Lucknow.

54. Dr. S. M. Sane, Professor of Chemistry, Lucknow University, Lucknow.

55. Mr. Maya Das, Principal, Agricultural College, Cawnpore.

56. Dr. Meghnad Saha, Professor of Physics, Allahabad University, Allahabad.

57. Mr. M. K. Ghosh, Reader, Commerce Department, Allahabad University, Allahabad.

58. Mr. Hira Lal Khanna, Principal, B. N. Sanatan Dharm Intermediate College, Cawnpore.

59. Mr. Shankar Prasad Bhargava, late Principal, S. D. College of Commerce, Cawnpore.

60. Mr. S. C. Chatterji, Principal, Christ Church College, Cawnpore.

61. Rai Sahib Pandit Kali Prasad, Principal, Government Jubilee Intermediate College, Lucknow.

62. Qazi Khurshed Ahmad, Vice-Principal, Government Intermediate College, Allahabad.

63. Lala Kishen Chand, Principal, Government Intermediate College, Moradabad.

64. Pandit Manohar Lal Zutshi, Principal, Government Training College, Lucknow.

65. Mr. F. J. Fielden, Principal, Agra College, Agra.

66. Miss M. E. Shannon, Principal, Isabella Thoburn College, Lucknow.

67. Mrs. Padma Bai S. Rao, Principal, Theosophical National Girls' School and Women's College, Benares.

68. Maulvi Mahdi Husain Nasiri, Head Master, Government High School, Aligarh.

69. Pandit Gopi Nath Kaviraj, Principal, Government Sanskrit College, Benares.

70. Mr. J. D. Talibuddin, Principal, Training College, Agra.

71. Mr. K. A. Subramanya Iyer, Reader in Sanskrit, Lucknow University, Lucknow.

72. Rai Sahib Pandit Sukh Deo Tiwari, Principal, Kanya Kubja Intermediate College, Lucknow.

73. Mr. Narayan Das, Principal, Radhaswami Educational Institute, Agra.

74. Mr. Brahma Swarupa, Principal, Kanya Kubja Intermediate College, Lucknow.

75. Mr. Asit K. Haldar, Principal, Government School of Arts and Crafts, Lucknow.

76. Dr. D. R. Bhattacharya, Allahabad University.

77. Dr. Ram Prasad Tripathi, Allahabad University.

78. Mr. S. K. Rudra, Allahabad University.

79. Pandit Amaranatha Jha, Allahabad University.

80. Dr. J. H. Mitter, Allahabad University.

81. Mr. Kaushal Kishore, Registrar, Departmental Examinations, United Provinces, Allahabad.

82. Mr. D. L. B. Riley, Agra College, Agra.

83. Mr. J. T. Goodchild, St. John's College, Agra.

84. Mr. A. C. Datta, St. John's College, Agra.

85. Rev. C. D. Wood, Christ Church College, Cawnpore.

86. Dr. K. C. Pandya, St. John's College, Agra.

87. Mr. N. K. Sidhanta, Lucknow University.

APPENDIX D.

List of the Teaching Staff of Colleges in and outside the United Provinces recognized by the Board.

MEERUT COLLEGE, MEERUT.

Affiliated in Arts, 1892 *and* 1895; *in Science*, 1906; *in Law*, 1893.

This institution owes its origin to the liberality of the nobility and gentry of the Meerut division, who created an Endowment Fund for the encouragement of higher education within the division.

The College, which is aided by the Government and by the District and Municipal Boards, teaches up to the M.A., B.A., B.Sc. and LL.B. standards, and also for the Intermediate Arts, Science and the Commercial Diploma Examinations of the Board.

There is a Business department in which Typewriting, Shorthand and Book-keeping are taught.

The College stands on its own grounds, 63 bighas in extent. The building consists of (1) the College, (2) old Hindu Hostel including quarters for Indian Professors, (3) new Hindu Hostel with a Pooja Hall given by L. Hardeo Prasad, (4) third Hindu Hostel, (5) Muhammadan Hostel, (6) Principal's and Vice-Principal's bungalows. The College Hostels provide accommodation for 226 students and there are twelve Professors living in residential quarters in the College compound.

The new College building, which up to the present has cost about Rs. 1,00,000 consists of two wings, one containing the Arts classes and the other the Laboratories and Science lecture rooms, with workshop and gas plant.

The institution was founded in 1892, and is governed by a Board of Management, but the immediate control of the College is in the hands of an Executive Committee, three members of which are *ex officio* and the rest elected by the Board of Management.

An endowment, producing some Rs. 400 annually, was given by the late Rai Ramanuj Dayal Bahadur. The endowment is spent in providing scholarships to poor students of the Meerut College.

There are also :—

(1) Four L. Har Sahai Scholarships of Rs. 4 each.

(2) Rai Bahadur Nihal Chand Scholarship for the best Sanskrit student of the Vaish community. (Rs. 60 a year.)

(3) Four L. Nanak Chand Scholarships (one for each year) for Hindu students whose circumstances render it difficult to continue their studies. (Rs. 312 a year.)

(4) A Scholarship of Rs. 5 per mensem on behalf of the Beopar Sahayak Bank, Ltd., Meerut, for a needy student of the Meerut College.

(5) Professors' and students' King Edward VII Memorial Scholarships (eight scholarships of Rs. 4 and eight of Rs. 3 each were awarded during the year 1924-25).

(6) Hafiz Abdul Karim Scholarships for needy Muhammadans. (During the year 1924-25 eight Scholarships of Rs. 600 in all were awarded.).

Besides these scholarships nine Government Scholarships were awarded during the year 1924-25 to the meritorious students of the College.

The "Hem Swarup Medal" is awarded annually to the best student in the fourth year B.A. class; the "Nirtya Kali Dassi Silver Medal" to the best student in the fourth year B.Sc. class; and the "Ganga Saran Silver Medal" to the first student in the Intermediate Arts and the "Oswini Coomar Silver Medal" to the first student in the Intermediate Science class.

INSTRUCTIVE STAFF.

1.	Lieut-Col. T. F. O'Donnell, M.C., B.A. (Honours) Classics, Royal University, Dublin.	Principal.
2.	V. S. Tamma, M.Sc. (Allahabad) ..	Vice-Principal.
3.	B. R. Chatterji, M.A. (Punjab), History and Economics, D.Litt. (Punjab), Ph.D. (London).	History, XI.
4.	G. N. Bose-Mullick, M.A. (Allahabad) ..	History, XI; Civics, XI.
5.	Chand Bahadur, M.A. (Punjab), History (Allahabad), English.	English Text, XII and XI.
6.	Madan Mohan, M.A. (Benares) ..	Mathematics, XII.
7.	J. N. Sinha, M.A., P.R.S. (Calcutta) ..	Logic, XI.
8.	Madho Prasad, M.Sc. (Allahabad) ..	Head of the Chemistry Department.
9.	F. S. Gilani, M.A. (Punjab) ..	Head of the Persian Department.
10.	D. N. Shastri, M.A., M.O.L. (Punjab), M.R.A.S.	Sanskrit, XII.
11.	Nand Lal Bhatnagar, M.A. (Allahabad).	Economics, XII, XI and XI (Commerce).
12.	V. P. Bidwai, M.Sc., LL.B. (Allahabad)	Physics, XI.
13.	Banwari Lal (Cer. Com. Dip.) ..	Shorthand, XII and XI; Typewriting, XII; Bookkeeping, XI.
14.	Rameshwar Dayal, M.A. (Allahabad) ..	Mathematics, XII and XI.
15.	Dr. S. S. Joshi, D.Sc. (Lucknow) ..	Chemistry, XII.
16.	J. C. Biswas, M.A. (Calcutta) ..	English Text, XI.

17.	S. K. Tankha, B. Com. (Bombay) ..	Com. Geography, XII and XI; Com. English, XII and XI; Book-keeping, XII; Business Methods, XII and XI.
18.	H. M. Mukerjee, M.A. (Calcutta) ..	English Text, XI.
19.	Parmatma Saran, M.A. (Benares) ..	History, XI and XII; English Text, XII, XI and XI (Commerce).
20.	J. P. Suda, M.A. (Allahabad) ..	Logic, XII.
21.	Mian Mohd. Sharif, M.SC. (Aligarh) ..	Chemistry, XII and XI.
22.	Radhika Behari Mathur, M.SC. (Allahabad).	Physics, XII and XI.
23.	Shital Prasad, M.SC. (Allahabad) ..	Physics, XII and XI.
24.	Mahipal Gupta, M.SC. (Allahabad) ..	Chemistry, XII and XI.
25.	Pearey Lal Shastri (Punjab) ..	Sanskrit, XII and XI.
26.	S. Mahmood Ali Grami, Munshi Fazil (Punjab).	Persian, XII and XI.
27.	B. N. Tandan, B. Com. (Bombay) ..	Typewriting, XI.
28.	U. N. Mathur, M.A. (Allahabad) ..	English Text, XII and XI; Genl. English, XII—Commerce.
29.	D. M. Roy, M.A. (Calcutta).. ..	Mathematics, XII and XI.
30.	S. A. Mazhary, M.A. (Bombay) ..	Persian, XII and XI; Urdu XII and XI.
31.	K. N. Pant, M.A. (Agra)	Hindi, XII and XI; Sanskrit, XI.
32.	Sumat Prasad Jain, M.A. (Allahabad) ..	Mathematics, XII and XI.
33.	A. N. Chatterjee, M.SC. (Allahabad) ..	Chemistry, XII and XI.
34.	R. N. Tandan (Bombay School of Arts)	Drawing, XII and XI.
35.	Roop Kishore, M.SC. (Allahabad) ..	Physics, XII and XI.
36.	Dhru Singh, M.A. (Allahabad) ..	Economics, XII, XI and XII (Commerce).
37.	G. P. Rajbanshi, M.A. (Lucknow) ..	English, XII.
38.	Ishwar Saran, M.A. (Agra)	English, XII.

DAYANAND ANGLO-VEDIC INTERMEDIATE COLLEGE, DEHRA DUN.

This institution was first started at Meerut in 1893 as a school under the control of a committee of management. The school was afterwards taken over to Dehra Dun in 1904 and the munificent liberality of Thakur Puran Singh Negi infused a new life into it. The signal success and improvement which began to attend the institution from 1912 encouraged the

Managing Body to take steps for raising its status, and it was converted into an Intermediate College in 1922. It attracts students not only from different parts of India but also from places such as Nepal, Burma and Kabul.

The College has an ideal site commanding a view of the Himalayas and measuring about 20 acres. The College buildings which have been erected at a cost of three lakhs of rupees now comprise 16 spacious class rooms, a library, a Professors' common room and a big central hall. Two large wings called the Shatabdi Blocks have recently been completed at a cost of Rs. 54,000 containing four separate lecture halls and two laboratories.

The Hostels are surrounded by extensive playing fields and have accommodation for about 200 students. All Hostels have resident Superintendents, almost all of them being teachers in the College. The laboratories are equipped with adequate arrangements for practical work in Physics and Chemistry. The apparatus and chemicals alone cost Rs. 20,000. One lakh of rupees is annually spent on the maintenance of the College and Hostels. Attached to the College and under the control of the Principal is a Sanskrit Pathshala which imparts free instruction up to the standards of Shastri, Acharya and Tirtha Examinations of the various Indian Universities.

The staff consists of 37 experienced and qualified teachers, among whom are to be reckoned 9 M.A.'s and M.Sc's. and 6 B.A's and B.Sc's trained or experienced.

Adequate provision has been made for the physical welfare of the students and athletic instruction is imparted according to Indian as well as European methods. Religious instruction constitutes a special feature of the institution. The College has Debating Societies, the object of which is to inculcate in the students a higher conception of civic life and stimulate the powers of expression. Extensive additions have been made to the College Library which consists of carefully-selected educational books. The Reading Room is provided with useful periodicals, newspapers and magazines, both English and Vernacular. Drawing, Painting and Handicrafts receive special encouragement and the College Museum affords ample testimony to it. First-aid lectures are regularly given for the purpose of promoting social service among the students.

INSTRUCTIVE STAFF.

1.	Lakshman Prasad, M.A., Principal	English Translation, XII; English Dictation, X.
2.	A. D. Banerji, M.A., B.L., Vice-Principal.	History, X to XII; Civics, XI and XII.
3.	B. N. Chhibbar, B.A., L.T. ..	English Text, X; History, X; Geography, IX and X.

4.	S. C. Bhattacharya, M.A. ..	English Text and Composition XII; English, XI; English Text and Grammar, English Unseen and Rapid Reading, X; English Text, Unseen, Rapid Reading and Grammar, IX.
5.	A. S. Sinha, M.A., L.T. ..	Mathematics, XII to IX.
6.	L. N. Gupta, M.Sc.	Science, IX and X; Chemistry, XI and XII.
7.	J. P. Ray, M.Sc.	Science, IX and X; Physics, XI and XII.
8.	S. B. Roy, M.A.	Logic, XI and XII; English Text and Grammar, Unseen, Rapid Reading and Dictation, IX.
9.	O. N. Saksena, M.A., L.T. ..	Economics, XI and XII; Grammar, XII; English Translation and Composition, XI; Geography and English Text and Grammar, IX.
10.	Mahendra Pratap, M.A., M.O.L., Shastri.	Sanskrit, X to XII; Hindi, X, English Translation and Dictation, IX.
11.	Gaya Prasad Shukla, M.A. ..	Hindi, IX to XI; English-Translation and Composition, X; English Rapid Reading and Dictation, IX.
12.	Ralia Ram, B.A.	Mathematics, IX and X.
13.	Salig Ram, B.A.	English Grammar, Rapid Reading, Unseen, Translation and Composition, X; History, IX and X.
14.	Mathura Prasad, B.Sc. ..	Demonstration, XI and XII; Science, IX.
15.	Prem Singh, B.A.	English Translation and Composition, IX.
16.	Ayodhya Nath Khanna, Senior Certificate, Mayo School of Arts, Lahore.	Drawing, IX and X.
17.	Abbas Husain, Experienced ..	Persian, IX and X.
18.	Sheo Bhagwan Dixit, V.T.C., Munshi, S.L.C. (Pun.), High School.	Urdu, IX and X.

19. Ram Chandra, Madhyama, 1 Khand : Hindi, IX.
Acharya, Advanced Hindi.
20. Raghubar Dayal, Acharya .. Sanskrit, IX.

N. R. E. C. INTERMEDIATE COLLEGE, KHURJA.

The N. R. E. C. Intermediate College, Khurja, was established as a High School in 1902 by the late Hon'ble Rai Nathi Mal Bahadur, C.I.E., and his brother Lala Ram Sahai Mal. It continued to prosper under the fatherly care of the founders until 1915 during which period the main building consisting of a hall and 20 rooms and Govind and Hewett Hostels each accommodating about 100 students were built at a cost of about Rs. 1,59,319. The Hon'ble Rai Nathi Mal Bahadur, C.I.E., died in 1915, but he very sagaciously had made over the institution in his life-time to a Board of Trustees and had endowed it handsomely, The endowment at present consists of a village worth about Rs. 80,000 and cash Rs. 99,000, invested in various securities.

The Board of Trustees are managing the institution since 1909. Two very fine blocks, one Physics laboratory and the other for the Chemistry laboratory, have been built since and also a bungalow for the Principal and one set of six class rooms for classes IX and X at a cost of about Rs. 22,834, Rs. 16,310, Rs. 10,287 and Rs. 16,339 respectively.

Another block of six rooms has been built for the Intermediate and C.D. classes which were added in 1923 and 1924 respectively.

A hostel for College classes is nearing completion. The Government has generously given the entire cost of both the above.

INSTRUCTIVE STAFF.

1. C. L. Majumdar, M.A. (Hon.), Calcutta, B.T., M.R.A.S., Acting Principal. — Economics, XI and XII.
2. R. S. D. Saksena, M.Sc. (Allahabad), Officiating Vice-Principal. — Chemistry, IX to XII.
3. S. S. Chaterji M.Sc. (Benares) .. — Mathematics, X to XII.
4. G. N. Singhal, M.A. (Allahabad) — Civics, XI and XII ; History, IX to XII.
5. H. N. Hukku, M.A. (Benares) .. — English, XIA., XIIB, C. D. I. and IXC.
6. B. N. Gour, M.A. (Hon.), (Lucknow). — Logic, XI and XII ; English, XA and IXA.
7. H. N. Shukla, M.Sc. (Benares) — Physics, IX to XII.
8. Gopi Saran Bhatnagar, C. D. .. — Shorthand and Book-keeping, C D. II., St. Typing, C. D. I., English, C. D. II., Com. IX.

9.	Banwari Lal Vaish, M.A. (Allahabad), L.T.	History, XI and XII; Geography, IX and X; English, XB.
10.	B. N. Dave, M.A. (Benares) ..	Hindi, IX to XII; English, IXC.
11.	Asa Ram Kaushic, M.A. (Delhi and Agra), M.R.A.S.	Persian, XII; Urdu, XI and XII; English, IXB.
12.	C. P. Srivastava, M.A., B. Com. (Allahabad).	Economics, C. D. I and II; Banking, Book-keeping and Business method; C. D. I.
13.	R. C. Singhal, Inter. Grade (Drawing), (Bombay).	Drawing, IX and X.
14.	Shanti Chandra Gupta, M.A. (Agra).	English, XIIA., XIB, and C. D. I.
15.	Lakshmi Narain Gupta, B.Sc, (Aligarh), L. T.	Mathematics and Geography, IX.
16.	Shri Ram, B. Com. (Agra) ..	Com. Geography, C. D. I., B. Method, C. D. I. and II; Com., X.
17.	Hoti Prasada, B.Sc. (Benares) ..	Demonstration work in Physical and Chemical Laboratories.
18.	Lakshmi Narain Sharma, B.A. (Agra).	History, IX.
19.	Sultan Alum, Inter., Kamil and Maulvi-Fazil.	Persian, IX to XI; Urdu, IX and X.
20.	D. Sheshachal Shastri, Kavi-Tirth (Calcutta).	Sanskrit, IX to XII; Hindi, X.
21.	Reoti Prasada, Madhma. ..	Hindi, IX.

AGRA COLLEGE, AGRA.

In 1818 Pandit Ganga Dhar Shastri bequeathed to the East India Company the rents of certain lands in the districts of Aligarh and Muttra for the promotion of education. In accordance with the Shastri's will the Agra College was opened in 1823, the endowment then yielding over Rs. 22,000 a year. Subsequently, Government added to the income and raised the College to its present status.

In 1883 the management was transferred to a Board of Trustees. At the time of the transfer the Trustees made an appeal to the noblemen and gentlemen of the Province of Agra, and a lakh of rupees was added to the endowment while the capital of the Scholarship Fund was raised from Rs. 25,000 to Rs. 58,500. The Maharaja of Bharatpur maintains additional scholarships.

The immediate control of the College is in the hands of a committee, two of the members of which are official, the rest nominated by the Trustees.

The College formerly consisted of two departments, viz., the College proper under a principal and the School under a head master. But in July, 1909, the School department was handed over to Government by the Trustees in order that they might be free to devote all their resources for the benefit of the College.

There are 422 students enrolled in the Intermediate (Arts and Science) classes, 331 in the degree and post-graduate classes of the College department and 204 in the Law department, including 65 students who have taken both M. A. or M. Sc. and Law simultaneously.

There are 378 College students residents in the College Hostels and 77 in the Caste Boarding Houses.

INSTRUCTIVE STAFF.

1.	F. J. Fielden, M.A. (London), M.A. (Cantab)., First Class with distinction in Mediaeval and Modern Languages Tripos (English and French).	Principal.	
2.	Hitkari Singh Seth, M.Sc., LL.B. (Allahabad), Zoology.	Professor of Zoology.	
3.	Chandra Puri Goswami, M.A., LL.B. (Allahabad), English.	Ditto	English.
4.	Syed Mohd. Ibn Ibrahim, M.A. (Allahabad), First Class, Arabic.	Ditto	Arabic and Persian.
5.	Krishna Lal Misra, M.A. (Allahabad), Sanskrit.	Ditto	Sanskrit.
6.	Agha Mahdi Husain, M.A. (Punjab), History.	Lecturer in	History.
7.	P. M. Bhambhani, B.A. (Hons.), M. A. (Bombay). Philosophy.	Ditto	Logic.
8.	Hari Ram, M.A., B.T. (Punjab), English, M.A. (Allahabad), Philosophy.	Ditto	English.
9.	Gokal Chand, M.A., LL.B. (Allahabad), English.	Ditto	ditto.
10.	Nagendra Nath Mookerji, M.A., (Calcutta), English, F. R. E. S. (London).	Ditto	ditto.
11.	Shyam Sundar Chaturvedi, M.A. (Allahabad), English.	Ditto	ditto.
12.	Mannoo Lal Misra, M.A. (Allahabad), 1st class, First, Maths.	Lecturer in	Mathematics.

13.	Rama Kant Chaturvedi, M.Sc. B.Sc. (Hons.), (Lucknow), Maths.	Lecturer	in Mathematics.
14.	Budh Sen Agarwala, M.A. (Allahabad), 1st class, Econ.	Ditto	Economics.
15.	Kashi Prasad Mathur, M.A. (Allahabad), Economics.	Ditto	ditto.
16.	Sri Krishna Saxena, M.A. (Allahabad), 1st class, First (Philosophy).	Ditto	Philosophy.
17.	Chaman Lal Mital, M.Sc. (Allahabad), Chemistry.	Ditto	Chemistry.
18.	Jang Bahadur Jha, M.Sc. (Allahabad), Chemistry.	Ditto	ditto.
19.	Praneshwar Nath Kathju, M.Sc. (Allahabad), Chemistry.	Ditto	ditto.
20.	Sukhdeo Prasad Khandelwal, M.Sc. (Allahabad), Physics.	Ditto	Physics.
21.	Madho Lal Jaiswal, M.Sc. (Allahabad), Physics.	Ditto	ditto.
22.	Sada Behari Raizada, M.Sc. (Allahabad). Physics.	Ditto	ditto.
23.	Salig Ram Sud, M.Sc. (Punjab), Botany.	Ditto	Botany.
24.	Nawal Kishore Singh, M.Sc. (Allahabd), Zoology.	Ditto	Zoology.
25.	Kanhaiya Lal, M.Sc., (Allahabad), Zoology and Botany.	Ditto	Botany.
26.	Bishan Narain Varma, M.A. (Allahabad), History.	Temp.	Lecturer in History.
27.	Purshotam Das Goyal, M.Sc. (Allahabad), Chemistry.	Demonstrator	in Chemistry.
28.	Lalta Prasad Saxena, M.Sc. (Agra).	Ditto	ditto.
29.	Rameshwar Dayal Gupta, M.Sc. (Allahabad), Chemistry.	Ditto	ditto.
30.	Ram Swarup Singh, M.Sc. (Allahabad), Physics.	Demonstrator	in Physics.
31.	Mata Prasad Mathur, M.Sc. (Agra). Physics.	Ditto	ditto.
32.	Raghunandan Prasad, M.Sc. (Allahabad), Zoology.	Demonstrator	in Zoology.
33.	Babu Lal Gupta, M.Sc. (Allahabad), Botany.	Ditto	Botany.
34.	Rup Kishore Kapoor, M.Sc. (Lucknow).	Ditto	Zoology.

ST. JOHN'S COLLEGE, AGRA.

The College is under the general control of the Church Missionary Society and a Governing Body of which the Bishop of Lucknow is *ex-officio* Chairman.

The object of the College is twofold : to provide education on Christian principles for the Christian under-graduates of the University and to provide an opportunity for those who have been brought up in the religious atmosphere of a mission school to continue their student life in surroundings similar to those to which they have grown accustomed.

The Degree and Intermediate classes have not been separated and the students of both the classes live together in the five College Hostels.

The College provides instruction in Arts, Science and Commerce for both Intermediate and Degree students.

There are various scholarships both for Christian and non-Christian students, details of which may be had from the College office.

Instructive Staff.

The Rev. W. E. S. Holland, M.A. (Oxon.) Principal.

The Rev. T. D. Sully, M.A. (Oxon.) Vice-Principal.

C. Mahajan, M.A. (Bombay) .. Director of Intermediate Studies.

J. C. Taluqdar, M.A. (Cal.) .. Superintendent of Examinations.

Faculty of Arts.

Chairman : H. Mark, M.A., (Allahabad), M. A. (Cantab.).

English.

R. D. Trivedi, M.A. (Allahabad) .. English Poetry, XII A.

Suraj Prasad Sharma, M.A. (Allahabad). XIA, XII Arts and Science; and XII, Com. Dip.

Bhawani Shanker, M.A. (Allahabad) XI and XII Arts; XII Science and XI Com.

Johiruddin Khan, M.A., Previous (Allahabad), L.T. (Allahabad). XI and XII.

Logic.

The Rev. T. D. Sully, M.A. (Oxon) XII Arts.

H. Mark, M.A. (Allahabad), M.A. (Cantab.) XI Arts.

H. B. Mundle, M.A. (Cal.) .. XII Arts (Inductive Logic).

History.

The Rev. W. E. S. Holland, M.A. (Oxon.) English History, XI Arts.

P. C. Addy, M.A. (Cal.) .. British and Indian History, XI and XII Arts.

Economics.

R. S. Dwivedi, M.A. (Agra), B. Com. (Allahabad). Banking, XI Com.

Trilok Narain, M.A. (Lucknow), B. Com. XI and XII Arts and Com; Commercial English, XII Com. Dip.

Persian.

Abid Husain Faridi, M.A. L.T. (Allahabad).	XI and XII Arts.
Wali Mohammad Khan, Munshi-Fazil (Punjab), Fazil (Allahabad).	Persian and Urdu, XI and XII Arts.

Mathematics.

E. D. Smith, B.A. (Cantab.) ..	XI and XII.
Bankey Lal Govilla, M.A., LL.B. (Agra)	XI and XII.

Urdu

Hamid Hasan Qadiri, Munshi Fazil (Punjab); Int. (Punjab), High Proficiency in Urdu (Punjab).	Urdu and Persian, XI and XII.

Hindi.

Hari Har Nath Tandon, M.A. (Benares).	Hindi Literature, XI and XII Arts.

Faculty of Science.

Chairman, Dr. K. C. Pandya, M.A. (Bom.), Ph. D. (London).

Chemistry.

N. M. Antani, M.A. (Bom.) ..	XI Theory and XII Theory and Practical.
F. R. Snell, B.A., B.Sc. (Oxon.) ..	XI Theory and Practical; XII Theory.
F. C. Bosman, B.Sc. (Allahabad) ..	Practical, XII.

Zoology.

L. P. Mathur, M.Sc. (Benares) ..	XII (Theory).
Beni Charan, M.Sc. (Allahabad) ..	XI Theory, XII Practical.
R. P. Cornelius, M.Sc. (Agra) ..	XI and XII Practical.

Physics.

K. C. Banerji, M.Sc. (Allahabad) ..	XII Practical and Theory.
W. C. Chowfin, M.Sc. (Lucknow) ..	XI Theory and Practical.
R. S. Mathur, M.Sc. (Agra) ..	XI Theory and Practical and XII Practical.

Botany.

N. M. Mukerji, M.Sc. (Cal.), F.L.S. ..	XI and XII Theory.
C. S. Krishnamurti, M.Sc. (Benares) ..	XI Theory and XI and XII Practical.

Faculty of Commerce.

Chairman : Rup Ram Gupta, M.A. (Cal.), B. Com. (Allahabad).	XI, Mathematics (Com.).
Manohar Swarup, M.A., L.T. (Allahabad).	Com. Geography, XI and XII.
N. Timothy, M.A. (Agra); B. Com. (Lucknow).	Book-keeping and Business method XI and XII, Com. Dip.
E. W. Lall, Diploma in Shorthand and Typewriting, Pitman's Certified Teacher (Bath).	Shorthand and Typewriting, XI and XII Com. Diploma.

RADHASWAMI EDUCATIONAL INSTITUTE, AGRA.

This institution was founded by the Radhaswami Satsang Sabha, Dayalbagh, Agra, with the object of placing the education of boys and girls on a sound moral and spiritual basis. It was raised to the High School standard in July, 1918, and to the status of an Intermediate College in 1922. The institution is recognized in History, Geography, Persian, Sanskrit, Science and Drawing for the High School Examination and in Physics, Chemistry, Biology, Mathematics, History, Economics, Logic, Persian and Sanskrit for the Intermediate Examination of the Board.

The institute is located in a healthy locality outside the township o Agra and classes are conducted in a magnificent double-storied building of red brick interspersed with white marble, constructed by the Sabha at a considerable cost.

The management of the institution is placed in the hands of a Managing Committee consisting of eleven members. The institute is in receipt of grant from the provincial revenues and the difference between the income and expenditure of the Institute is made good by the Radhaswami Satsang Sabha from its funds besides meeting this difference, the Sabha has, up to this time, spent about 5 lakhs on the construction and equipment of College buildings, hostels, residential quarters for the staff, etc.

Of the important and distinguishing features of the Institute mention may be made of the following :—

(1) The majority of the students live in the hostels and quarters have been provided to almost all the members of the staff in the vicinity of the Institute, so that they may associate closely and frequently with the pupils.

(2) Co-education is encouraged and boys and girls are taught together up to a certain age in the High School department. There is, however, no hostel arrangement for girls yet.

(3) It is an all-India institution and boys from all parts of the country are admitted and made to live and dine like members of a common brotherhood.

(4) Manual Training is encouraged among the senior boys and facilities for the same are provided in our Model Industries workshop.

(5) A religious class is held every Sunday in which lectures are delivered on non-denominational theistic subjects and general principles of morality, with the object of making the students God-fearing and God-loving young men.

INSTRUCTIVE STAFF.

1. Narayan Das, B.A., S.C. (Allahabad), F.R.S.A., Principal.	General English, XII, to X.
2. Misri Lal Gupta ,M.A., L.T. (Allahabad), M.R.A.S. (London).	History, XII to IX.
3. Badri Prasad Mathur, M.A. (Allahabad), T. Dip. (London), Member of the Royal Society of Literature.	English, XII.
4. Nand Lal Gheik, B.Sc., Honours (Wales), F.C.S. (London).	Chemistry, XII and XI.
5. Som Prakash, M.Sc. (Allahabad)	Biology, XII and XI.
6. Charan Adhar, M.Sc. (Lucknow), *acting.*	Physics, XII and XI.
7. Gur Prasad Mehra, B.A. (Allahabad), B.T. (Punjab).	Geography, X and IX.
8. Ram Charan Prasad, B.Sc. (Allahabad), L.T. (Benares).	Science, X and IX.
9. Dhirendra Lal Pal, M.A. (Calcutta).	Logic, XII and XI and English, IX.
10. Tulja Ram Thadani, S.T.C. (Honours).	English, XI and X.
11. Gur Prasad Mathur, B.A. (Allahabad), L.T. (Benares).	English, X.
12. Babu Ram Jadon, M.A. (Allahabad), and (Patna).	Hindi, XI and X.
13. Karta Sahai, M.Sc. (Allahabad), *acting.*	Mathematics, XII, X and IX
14. Hari Ram Keval Ram Ani, B.A., Honours (Bombay), *acting.*	English, XI and IX.
15. Ranga Rao, M.Sc., Previous (Allahabad), *acting.*	Mathematics, XI.

16.	Sant Prasad M.A., Previous (Agra), *acting*.	Economics. XII and XI.
17.	Kamta Prasad Mulla (Allahabad), Munshi Fazil (Punjab) and Inter.	Persian, XII to X and Urdu, XI and X.
18.	Mani Ram Shastri, Sahitya Tirtha (Calcutta).	Sanskrit, X and IX and Hindi, IX.
19.	Har Charan Lal, M.A. Previous (Agra).	Persian, IX and Urdu, IX.
20.	Ram Narain Lal, Matric. ..	Hindi, X.
21.	Mirza Mohammad Qasim, Government School of Arts and Crafts (Lucknow).	Drawing, X and IX.

BALWANT RAJPUT INTERMEDIATE COLLEGE, AGRA.

The origin of this Institution may be traced back to the year 1885, when Thakur Umrao Singhji and his brother, Kunwar Nanni Lal Singhji of Kotla, established a Boarding House in their private residence at Bagh Farzana at Agra with only 20 Rajput boys under a Superintendent and a Tutor. They forthwith enlisted the support of several Rajput zamindars, chief among whom were—Raja Baldeo Singhji of Awagarh, Raja Lachman Singhji of Wazirpura, Kunwar Lekhraj Singhji of Gabbana and Thakur Kalyan Singhji of Jalalpur.

In 1886, Raja Balwant Singhji, C.I.E. of Awagarh, feeling the want of a suitable English school for Rajput boys, in which the traditional characteristics of the race could be fostered, purchased the present site of the college with a few old dilapidated buildings at a cost of Rs. 13,000. Subsequently, a sum of rupees one lakh was paid from his Estate for the construction of the school buildings which were constructed, during 1907-08 and 1912-13, at a cost of Rs. 1,03,000 through the munificence of the said Raja Sahib.

In 1887, the Hostel was formally opened by Sir Auckland Colvin, the then Lieutenant-Governor of the United Provinces, and was named the Jubilee Rajput Boarding House.

By the year 1889, the school was placed on a firm footing through the strenuous efforts of Raja Balwant Singhji of Awagarh and the Hon. Raja Rampal Singh Bahadur of Kalakankar. The school was formally opened by Mr. Imfrey, then Commissioner of Agra division.

In 1908, the school passed directly under the management of Raja Balwant Singhji and enjoyed his paternal care until his demise in 1909. He had, however, left by a codicil of his will, the enormous sum of rupees 9 lakhs for the maintenance of the school which, since then came to be known as the Balwant Rajput High School in loving memory of its illus-

trious founder. The whole of this sum in Government Promissory notes is kept in deposit with the Treasurer of Charitable Endowments for the United Provinces, bearing interest at 3 per cent.

The Balwant Rajput High School Trust came into being in 1915 and His Honour the Lieutenant-Governor of the United Provinces condescended to become a visitor of the School. The School, and since lately, the College, is under a Committee of Management of which the District and Sessions Judge of Agra is the President and Raja Suryapal Singhji Sahib of Awagarh is the Vice-President and Honorary Secretary.

The admirable success which began to attend the Institution in past years encouraged the Managing Committee to raise its status and it was transformed into an Intermediate College in 1928. At present it is affiliated to the Board of High School and Intermediate Education, United Provinces, for the Arts Section only, but steps are being taken to start the Science section in the coming year. A sum of Rs. 1,40,000 has now been given by Raja Suryapal Singh Sahib of Awagarh from his private purse for the advancement of the College.

The College enjoys an ideal site with seven extensive play-grounds within the College area. The Boarding House provides accommodation for 300 boys and is divided into 8 blocks, viz., (1) Kashmir block, (2) Udaipur block, (3) Awagarh block, (4) Jaipur block, (5) Bikaner block, (6) Karauli block, (7) Jodhpur block and (8) Alwar block, after the name of Rajput states.

There is a separate Boarding House outside the College compound for boys under 14 years, placed under the charge of a house master and a whole-time Doctor of the College, who resides there.

In 1922 the Warden system was introduced in the Hostels, which is still in vogue with added facilities for the wards.

The Hostel has a dispensary which is attended by the whole-time Doctor and is also provided with a Library and a Reading-Room apart from those existing in the College.

The College Library contains more than 3,000 volumes and large additions are being made every day. The College has a big Central Hall, spacious Class-rooms and a well-equipped Reading-room regularly supplied with periodicals, newspapers and magazines. There is also a religious instructor and prayers are regularly offered by the students under his guidance. Admission is open to all but reduced fees are charged from the Rajputs.

Besides the college scholarships aggregating Rs. 2,580 awarded to deserving students, there are also special Awagarh Scholarships amounting to Rs. 288.

The College has a Literary Society and publishes a quarterly Magazine which provide ample facilities to the students to improve their literary faculties.

One of the special features of the College is the strict attention paid to compulsory games and sports directed by the Games Secretary, the Drill Master and the members of the Staff.

INSTRUCTIVE STAFF.

1. S. C. Sarkar, PH.D. (London), F.Z.S. (England), Principal. — Science, X and IX.
2. P. C. Goswami, B. SC., L.T. (Allahabad), Vice-Principal. — Mathematics, X.
3. K. C. Mazumdar, M.A. (Calcutta) — English Composition, X.
4. B. C. Mukherjee, M.A., — English Text and Dictation.
5. Shankar Lal, M.A. B.SC. — Mathematics, IX.
6. Sabal Singh, M.A. B.SC. — Mathematics, IX Science Practical, X and IX.
7. Jaipal Singh, M.A., LL.B., — History, X and IX.
9. Kanhaiya Lal Mathur, B.A., L.T. — English Text and Composition, IX.
10. R. P. Saraswat, B.A., L.T. — English X and IX.
11. Ganeshi Lal Sahityopadhyaya — Sanskrit, X and IX.
12. Syed Abdullah, Inter. — Persian, X and IX.
13. N. C. Gupta, B. Com. C.E.T.D. — Commerce, X and IX.
14. Asrar Husain Khan, D.M.C. — Drawing, X and IX.
15. Ram Bharose Tripathi, Sahitya Sanskrit. — Hindi, X and IX.
16. Muhammad Husain .. — Urdu, X and IX.

DHARMA SAMAJ INTERMEDIATE COLLEGE, ALIGARH.

This institution is maintained by the Dharma Samaj Society founded by the late Rai Saheb L. Badri Prasad, a prominent rais of Aligarh. The main object of the Society, which is a registered body according to Societies Registration Act XXI of 1860, is to spread education. This society started a Sanskrit Pathshala about the end of the last century ; but owing to the increasing demands of English Education and want of accommodation in the local High Schools, English classes were added to the Pathshala and it was recognised as a Middle School in 1909. Two years later it rose to be a High School and from 1911 to June 1929 it continued to be called the Dharma Samaj High School. The College classes have been opened from July, 1929. The Dharma Samaj Intermediate College is recognised by the Board of Secondary and Intermediate Education for the teaching of History, Logic, Mathematics, Economics, Sanskrit, Persian, Hindi and Urdu. In addition to teaching the ordinary subjects of the Curriculum prescribed by the Department of Education and the Board, a special course of lessons on religious instruction is taught to the students.

Its immediate control is in the hands of the Managing Committee of the Dharma Samaj Society assisted by an Education Committee of which the Principal is an *ex-officio* member.

The institution gets a grant from the Provincial Government and the Aligarh Municipal Board. It also gets income from landed property endowed by the late Rai Saheb L. Badri Prasad and interest on Rs. 42,000 invested in Government Securities.

The main College building consists of a big hall having on two of its sides seven small class rooms for the teaching of some optional subjects. In addition to this there are three blocks, the biggest of which consists of 12 class rooms, 6 of them being 22 feet by 25 feet each, and 6 (six) 22 feet by 35 feet each. There are two side blocks of 4 rooms each. Classes from VII to XI are accommodated in these rooms. The lower classes from III to VI have been shifted to a separate building. The Hostel attached to the College is for the present accommodated in a hired building situated near the College but the negotiations for the acquisition of an adjoining land of 12½ acres are nearly complete. The money for building a hostel accommodating a hundred students is already deposited in the bank and the work of building will be commenced as soon as the formal sanction for this is received from the Local Government.

The College has its own monthly Magazine to which students are encouraged to contribute frequently. In addition to this, the College possesses a number of students' associations that contribute to its corporate life: the Students' Common Room, the Debating Society, the Dharma Samaj College Athletic Association, the Scout Troop, the Old Boys' Association and the Brotherhood Association, the principal aim of which is to give help to poor deserving students. There is a running shield for Elocution Competition presented by the Hon'ble Rai Bahadur Sita Ram Saheb, M.A., LL.B., President of the United Provinces Legislative Council in honour of his late father L. Jugal Kishore Ji.

INSTRUCTIVE STAFF.

1.	H. B. Malkani, M.A., S.T.C.D., (Bombay), Principal.	General English, XI; English Text, XB.
2.	K. K. Kaul, M.A. (Benares) ..	English Text, XI, XA, and IXA; General English, XA; Rapid reading, XA.
3.	Ram Prasad Saxena, M.A., L.T., (Allahabad).	History, XI, XA, XB and XC; General English, XB.
4.	Brij Mohan Mehrotra, M.A. (Agra)	Mathematics, XI and XA; Logic XI.

5.	Murli Dhar Tandon, M.A. (Allahabad), B.T. (Aligarh).	Economics, XI; English Text, XC and IXC; General English, XC.
6.	Gokal Chandra Sharma, M.A. (Agra) V.T.C.	Hindi, XI, X A, B and C and IXA.
7.	Dhiraj Lal Sabr, Munshi (Allahabad).	Urdu, XI X, A and C and IX.
8.	Ram Swarup Sharma, Dabir-Kamil, (Lucknow).	Persian, XI, X A and C and IXB.
9.	Ganga Prasad Goutam, Shastri 1st year, Sanskrit College, (Benares).	Sanskrit, XI, X A and C and IXA and C.
10.	Balmukand Pali, B.A., L.T. (Allahabad).	Geography, XA and B and IX; English Text, IXB; General English, IXB.
11.	Pramod Bihari Lal Mathur, B.SC., L.T. (Allahabad).	Science, XA, B, C., and IXA, B, C.
12.	Bhagwat Swarup, Inter. Drawing, (Bombay).	Drawing, XA and C. and IXA and C.
13.	Bhagwati Prasad Mital, B.A., L.T. (Allahabad).	Mathematics, XB and C. and IXC; General English, IXC.
14.	Ram Swarup Jain, B.A. (Agra)	Mathematics, IXB.; General English, IXC.
15.	Kishori Lal Gupta, M.A. (Agra), C.T.	History, IX; General English, IXA.
16.	Kali Charan Gupta, B.A. (Allahabad).	History, IX.
17.	Tika Ram Sharma, V.T.C., Prathma Sanskrit and Advanced Hindi.	Hindi, IXC.
18.	Brij Nandan Lal, B.A. (Agra) ..	Mathematics, IXA and C.

BAREILLY COLLEGE.

This College was started in 1884 in the form of College classes attached to the Bareilly High School to take the place of a College formerly maintained by Government at Bareilly, which, having been originally started as a school in 1836, became a College in 1850, and on the abolition of the College department in 1877 was converted into a High School.

The College is maintained from a fund raised by public subscription, among the original subscribers having been the Most Hon'ble the Marquis of Ripon, K.G., His Highness the late Nawab of Rampur, His Highness the late Maharaja of Darbhanga, Raja Jagat Singh of Jaipur, Raja Madhava Rao Venayek, Raja Jai Kishen Dass, C.S.I. of Moradabad, Munshi Newal Kishore, C.I.E, Maharani Sarnomai of Kassimbazaar, Bengal and others. The College is aided by Government and by the principal district and municipal boards of Rohilkhand and Kumaun.

An increase in the Endowment Fund and handsome donations from Raja Kishen Kumar of Moradabad, the late Rai Sheo Baksh, Rai Bahadur, and Rani Naraini Koer, supplemented by liberal contributions from Government, have made the foundation of the College as an independent institution possible, and it has now been transferred to buildings which were erected on a site presented by His Highness the Nawab of Rampur, and were opened by His Honour Sir J. D. LaTouche, K.C.S.I., Lieutenant-Governor of the United Provinces, on July 17, 1906.

The general control of the College is vested in a Board of which the Commissioner of Rohiklhand is President, the executive management being in the hands of a committee elected from the Board of Control.

There is a residential house for students erected by Government. It has accommodation for 72 students. The library is well-equiped and is divided into general and departmental sections. The departmental sections arei n charge of professors of the various departments.

The students' organizations comprise a College Debating Society called the Union, a Hindi Literary Society, a Urdu Literary Society and a Boarding House Debating Union. The College Common Room is managed by students themselves. All the organizations are under the direct supervision of members of the staff.

The College teaches up to the B.A. and B.Sc. standards of the University of Agra, and prepares for the Intermediate Examinations in Arts and Sciences and the Commercial Diploma Examination, conducted by the Board of High School and Intermediate Education, United Provinces. The Intermediate and Commerce classes are carried on in the same buildings as the Degree classes and with very largely the same staff.

Besides six Government stipends, there is a scholarship fund for the benefit of the poor and deserving students of the Bareilly College. There are 13 endowed and 12 municipal and other scholarships. Medals and prizes are annually awarded to deserving candidates.

The College has undergone considerable development and an extension fund has been opened for purposes of further expansion. The family of the late Lala Brij Mohan Lal have donated over Rs. 15,000 towards the construction of a chemistry block in his memory. The building is complete and the equipment has been finished by Messrs. Mansfield and Sons, Calcutta.

The number of students at the close of the session was 155 in the Intermediate, and 29 in the Commercial Diploma classes.

INSTRUCTIVE STAFF.

1.	William Owens, B.A. (Sydney and London), M.B.E.	Principal.
2.	A. C. Dutt, M.A. (Allahabad) and (Lucknow), M. R. A. S. (England). Vice-Principal.	English, XI and XII.
3.	B. K. Pande, M.A., Research Scholar in English, (Allahabad University), Gold Medallist in B.A., Victoria Jubilee Bursary Holder in Sanskrit.	English, XII.
4.	D. P. Bhattacharyya, M.A. (Calcutta), Griffith Memorial Prizeman, 1919.	Mathematics, XI and XII.
5.	Ram Krishna Vaish, M.SC., (Allahabad), Research Scholar in Mathematics, (Allahabad).	Engnlish, XI and Mathematics, XII.
6.	S. B. Banerji, M.A. (Calcutta) ..	History, XI and XII.
7.	R. K. Sharma, M.A., LL.B., (Allahabad).	Economics, XII.
8.	H. D. Gupta, M.A., LL.B. (Allahabad).	Logic, XI and XII.
9.	Kabir Ahmad, M.A. (Allahabad), Alim Examination and M.A. (Previous) in Arabic (Allahabad), High Proficiency in Urdu.	Persian, XI and XII; Urdu, XI.
10.	Shri Dhar Panth, M.A., (Allahabad), L.T. (B. H. U.), M.A. (Previous) in Hindi (Ag.), Kavyatirtha, Sahitya Shastri, Sankhya-Yoga Shastri.	Sanskrit, XI and XII; Hindi, XI.
11.	Bhola Nath Sharma, B.A. (Ag.), 1st class 1st, M.A. (Previous) in Sanskrit (Ag.), T. C. Jones Memorial Medallist.	Hindi, XI; Sanskrit, XI.

12. J. C. Pal, M.SC. (Allahabad) .. Physics, XI.
13. Bishambher Prasad Saksena, M.SC. (Lucknow), LL.B. (Lucknow). Physics, XII.
14. Lakshmi Narayan, M.SC. (Allahabad) F.C.S. Chemistry, XI.
15. A. K. Bhattacharyya, (Allahabad), M.SC. Research Scholar in Chemistry. Chemistry, XII.
16. Shankar Lal, M.A. (Allahabad), B. Com., (Lucknow). Inter. Com. I and C. D. II.
17. Raghubir Narayan Bhatnagar, (Com. Dip. (Allahabad). Inter. Com. I and C.D. II.

SHYAM SUNDAR MEMORIAL INTERMEDIATE COLLEGE, CHANDAUSI.

Recognized, 1909.

This institution was founded in loving memory of the late Sahu Shyam Sundar by his widow Rani Ram Kali Devi, K.I.H., and mother Srimati Tulsa Devi, *raises*, bankers and landholders of Chandausi. It was started as a High School in the year 1909, and raised in 1923 to the status of a College teaching up to the standard of the Intermediate and Commercial Diploma Examinations.

The College stands on an ideal site measuring about 173 *bighas*. The buildings comprise five blocks.

There is a net annual income from endowments of Rs. 9,000 and annual grant of Rs. 5,000 for the upkeep of the College classes.

Hostels.—Attached to the College are five hostels to accommodate 250 boarders. A whole-time medical officer, a dairy, a *dhobi*, a barber and a book and stationery shop have been provided within the College premises.

Courses of study.—As prescribed by the Board, Lectures on First-Aid and Hygiene and lessons on Music are also given

Scholarships, prizes and medals.

A number of small scholarships aggregating in value Rs. 116 per mensem and medals and prizes are awarded annually to deserving students.

Games.—Ample provision exists. One shield and three cups are annually competed for by the different teams of the College.

Besides a College magazine which appears once a quarter, there are a number of associations, viz., *Commerce Association, Nagri Pracharni Sabha, Historical Society, Debating Society and Old Boys' Association A poor Boys' Aid Library* and a *Loan fund* are managed by the Old Boys' Association for the benefit of the poor students.

INSTRUCTIVE STAFF.

1.	Rai Sahib Babu J. Mukharji, B.A. (Calcutta), Principal.	Eng. Gram., XII, XII Com., & X.
2.	Shiva Shanker Saxena, M.A., L.T., (Allahabad), F.R.ECON.S., Vice-Principal.	English Text, XII, XI and XII Com.; English Composition and Translation, XII and XI; English Essay, XII, Com.; Persian English Portion, XII.
3.	Womesh Chandra Banerji, M.A., L.T. (Allahabad), F.R.Hist.S.	History, XII and XI; Logic, XII and XI.
4.	Moti Lal Mathuria, M.A., 1st class (Mathematics), M.Sc., (Physics), (Allahabad), F.P.S., (London), Sir Elliot Colvin Medallist, and Cox Gold Medallist.	Physics, XII and XI; Sicence, X.
5.	Krishna Kumar Gupta, M.Sc., (Chemistry), 1st class (Allahabad).	Chemistry, XII and XI; Science, IX.
6.	Mewa Ram Saxena, M.A., 1st class, 1st (B. H. U.), B.Sc., (Allahabad).	Mathematics, XII to IX.
7.	Y. D. Keskar, M.A., (Com.), 1st class, 1st prize-winner (Calcutta), Gold Medallist, B. com., (Bombay), F.R. ECON.S.	English Precis, XII Com.; Economics, XI, Com. and XII Com.; Book-keeping, XII Com.; Business Method, XII Com.; Banking, XI Com.
8.	Shiva Dutta Tripathi Shastri, M.A., (Econ.), (B.H.U.).	English General, XII and XI Economics, XII and XI; History, X and IX.
9.	Bhagwan Das Gaur, M.A., (Allahabad), Shastri, (Jaipur), Acharya (Benares).	Sanskrit, XII to X; Hindi, XI and X.
10.	J. P. Dube, M.A. (English), L.T. (Allahabad).	English, XI, Intermediate and Commerce, and X.
11.	Kampta Prasad, B.A., L.T. (Allahabad).	English, X.
12.	Rahas Behari Lal, B.A., L.T. (Allahabad).	Geography, X and IX; English, IX.
13.	Mahadev Prasad Vaish, M.A. (Phil.), (Agra).	English, IX.
14.	Jainti Prasad Choubey, B.Sc. (Allahabad).	Mathematics, X and IX.

15.	Jaidev Prasad Gupta, B. Com., (Lucknow), M.A. (Previous), Economics.	Precis and Correspondence, XII Com. and XI Com.; Commercial Geography, XII Com. and XI Com.; Business Method, X and IX; Economics, XI Com.; and Industrial Organisation, XI Com.
16.	Jagish Saran Agarwala, Com. Dip. (Allahabad), F.C.I., C.T.D., (Birmingham).	Shorthand, XI Com.; Typewriting, XII Com, XI Com., X and IX: Correspondence, IX.
17.	Reoti Saran Sharma, Com. Dip., (Allahabad), B. Com., (Agra).	Correspondence, XII Com.; Book-keeping, and Accountancy, XI Com.; Shorthand, XII Com. Business Method, XI Com Book-keeping, X and IX; Correspondence, IX.
18.	Chhail Behari Lal Varma, School of Arts and Crafts (Lucknow), Fine Arts Schoo (Bombay), Medallist	Drawing, X and IX.
19.	Shabbir Husain, Molvi Fazil, (Punjab).	Persian, XII to IX; Urdu, X.
20.	Maya Ram Pande, Madhyam Visarat (Benares).	Sanskrit, IX; Hindi, IX.
21.	Jageshwar Saran Porov., Inter. Kamil(Allahabad),and Munshi Examination.	Urdu, IX.

CHRIST CHURCH COLLEGE, CAWNPORE.

Affiliated in Arts F. A. 1892; *B.A.* 1893; *M. A.* 1899.

Degree classes re-started, 1926.

College classes were, at the outset, held in the High School building. A separate College building was erected and opened for use in 1897.

To the main building additions have since been made. In 1909 a Science lecture room and Physical and Chemical laboratories were built. In 1911 the reading room was enlarged and converted into a Library. The College Hall was enlarged and re-furnished in 1916.

The College Hostel provides accommodation for about 70 students, Hindu, Muhammadan and Christian. It was opened in 1893 and has since been enlarged by the addition of two new blocks. A European member of the staff is in residence as Warden of the Hostel.

The College is under the general control of the Lucknow Diocesan Board of Missions and a Governing Body of which the Right Rev. the Lord Bishop of Lucknow is Chairman.

INSTRUCTIVE STAFF.

1.	S. C. Chatterji, M.A. (Punjab)	Principal.
2.	S. D. Seth, M.SC. (Allahabad), Vice-Principal.	Mathematics, XI and XII.
3.	F. T. Fisher, M.A. (Cantab) ..	English, XI and XII.
4.	C. B. Gordon, B.A. (Cantab) ..	Mathematics, XI and XII.
5.	M. N. Sen, M.A. (Calcutta) ..	English, XI and XII.
6.	Tara Chandra, M.A. (Allahabad)	Economics, XII.
7.	Murari Lal, M.A. (Allahabad) ..	Logic, XI and XII; English, XII.
8.	L. K. Tripathi, M.A. (Allahabad)	Indian History, XI and XII.
9.	P. D. Gupta, M.A. (Allahabad) ..	English History, XI and XII; Economics, XI.
10.	V. Mitter, B.A. (Punjab) ..	English, XI and XII.
11.	A. K. Chowdhury, M.SC. (Allahabad).	Chemistry, XI and XII.
12.	J. N. Budhwar, M.SC. (Lucknow)	Physics, XI and XII.
13.	K. A. Wajid, M.A. (Aligarh) ..	Persian, XI and XII.
14.	B. D. Shastri, B.A. (Punjab) ..	Sanskrit, XI and XII.
15.	Daya Narain Nigam, B.A. (Allahabad).	Urdu, XI and XII.
16.	Din Dayal Gupta, M.A. (Allahabad).	Hindi, XI and XII.

DAYANAND ANGLO-VEDIC COLLEGE, CAWNPORE.

The Dayanand Anglo-Vedic College, Cawnpore, was started in the year 1919 as a Degree College affiliated to the University of Allahabad including Intermediate (Arts) and Commercial Diploma Classes. Now the College is affiliated to the University of Agra for the Master of Arts and Bachelor of Laws, Arts, Science and Commerce Examinations and is also affiliated to the Board of High School and Intermediate Education, United Provinces for the Intermediate Examination in Arts, Science and Commerce.

The College was housed in a bungalow for the first six years. The accommodation available in it was found to be inadequate and the construction of a new building was commenced in the year 1924. Now the College building consists of :—(*a*) Science Block of 10 big rooms (six rooms 30′ × 36′ and four rooms 20′ × 30′) and six smaller rooms; and the Main College Building having 20 lecture rooms, 7 smaller rooms and the Central Hall (70′ × 56′). The College building is one of the finest educational buildings in the Province, situated in healthy environments and consisting of airy commodious class rooms.

The number of students on the 31st March, 1929, was 482; 207 in the Degree Classes and 275 in the Intermediate Classes.

The results achieved by the students of the College at the University and Intermediate Board's Examination have been satisfactory. The percentage of passes has uniformly been above the average.

The number of scholarship and stipend holders during the year was 31 in the Intermediate Classes, and 39 students got concession in fee.

The College Hostel is situated in close proximity to the College and provides accommodation for about 280 boarders.

The College maintains Football, Cricket, Hockey and Volley Ball Teams, Basket Ball, Tennis, Badminton and Indian Games are also played. There is also a boating and swinmmig club. Provision is made for Physical Exercise also. The College won the following Cup and Shields in the Games organized by the Cawnpore Inter-College Tournament Committee besides numerous medals won by individual sportsmen :—

(1) Mrs. David Hockey Cup. (For the third year consecutively.)

(2) Babu Brijendra Swarup Tug-of-war Shield (for the fourth year consecutively).

(3) Babu Dwarka Prasad Singh Regatta Championship Shield.

The following associations are maintained in the College :—

(1) The College Union.

(2) The Historical Association.

(3) The Economic Association.

(4) The Hindi Sahitya Samity and

(5) The Commerce Union.

This year, for the first time, the College published two issues of the College Magazine.

The Special Features of the College are as follows :—

(1) Religious and moral instruction in accordance with the broad principles of Vedic Theology is given in addition to the secular education required for the various University and Board's Examinations.

(2) Students are brought in close personal touch with their professors who not only supervise their studies but also see that they make proper use of their opportunity to develop a good moral character.

(3) Simple living and high thinking is the guiding principle for all who work in the College as Professors or as students.

INSTRUCTIVE STAFF.

1.	Diwan Chand, M.A. (English, Punjab; Philosophy, Calcutta).	Principal.
2.	Ekanath Banerji, M.A. ..	Mathematics, XI and XII.
3.	Kanhaiya Lal Misra, M.A., B.Sc. (Allahabad).	Ditto.
4.	Rajendra Kumar Ghosh, M.A. (Calcutta).	English, XI and XII.
5.	Ram Chandra Rao, M.A. (Allahabad.)	Ditto.

6.	Kalka Prasad Bhatnagar, M.A., LL.B. (Allahabad).	Economics, XI and XII.
7.	Dr. Raj Bahadur Gupta, M.A. (B. H. U.), Ph. D. (Lucknow).	Ditto.
8.	Govind Ram Seth, M.A. (Punjab) ..	History, XI and XII.
9.	Kanhaiya Lal Verma, M.A. (B. H. U.)	Civics, XI and XII.
10.	Ram Behari Lal, Shastri, Ved. Tirth, M.A. (Previous, Allahabad).	Sanskrit, XI and XII.
11.	Deputy Lal Nigam, M.A. (Calcutta)	Persian, XI and XII.
12.	Krishna Kumar, M.A. (Punjab) ..	Logic, XI and XII.
13.	Shanker Lal Jindal, M.Sc. (Allahabad) (*on leave*).	Chemistry, XI and XII.
14.	Hazari Lal Rohatgi, M.Sc. (Allahabad).	Ditto.
15.	D. P. Goswami, M.A. (Allahabad) ..	Ditto.
16.	Pandit Tota Ram Sharma, M.Sc. (Allahabad).	Physics, XI and XII.
17.	Bishambhar Dayal, M.Sc. (Allahabad).	Ditto.
18.	Munshi Ram Sahityalankar, M.A. (Punjab), M.A. (Previous, Agra).	Hindi, XI and XII.
19.	Dattatraya Krishna Sakhwalkar, M.A. (Commerce, Calcutta), B.A. (Honours), LL.B., B. Com. (Bombay.)	Business Methods, C. D. I and II.
20.	Thakur Balwant Singh, M.A. (Allahabad), B. Com. (Lucknow).	Accountancy and Economics, C. D. I and II.
21.	Raghunath Sahai Saksena, Com. Dip. (Allahabad), B. Com. (Previous) (Agra).	Shorthand and Typewriting, C. D. I and II.
22.	Thakur Jaideva Singh, M.A. (Agra)	General English, C. D. I and II; English, XI and XII.
23.	Satya Deo, B. Com. (Lucknow), L. T. (Allahabad).	Commercial English and Geography, C. D. I and II.
24.	Chandra Deo Prasad Srivastava, M.A. (Agra), B. Com. (Allahabad).	Commercial English and Banking, C. D. I and II.

BISHAMBHAR NATH SANATAN DHARMA INTERMEDIATE COLLEGE, CAWNPORE.

The College is under the general control of Brahmavarta Sanatan Dharma Mahamandal, Cawnpore. It aims at imparting the liberal education in Arts and Science up to the Intermediate standard in such a reli-

ious atmosphere that its products may be inspired by the high ideals of the Sanatan Dharma.

The institution was first started in 1917 as a small Pathshala, which, within two years, developed into a Middle School. In 1922 it was raised to the status of a High School with commerce as its special feature. Being the only institution of its kind in the vicinity it soon gained in popularity.

Thanks to the munificence of late Rai Bishambhar Nath Bahadur, who in addition to the endowment of property worth one lakh of rupees, made a gift of a valuable garden on the Mall, which enabled the Managing Committee to convert the institution into an Intermediate College.

The College is recognised in the following subjects :—

1. English.
2. Mathematics.
3. Sanskrit.
4. History.
5. Logic.
6. Hindi.
7. Physics.
8. Chemistry.
9. Biology.
10. Geography.
11. Economics.
12. Urdu.

There are two departments of the College, distributed over in two separate buildings. The upper department consisting of classes VIII to XII is in the new building on the Mall, and the lower department consisting of classes III to VII is accommodated in the old building on the Meston road.

Special features :—We claim the following as the special features of our institution :—

(1) Moral and religious instruction in accordance with the broad principles of the Sanatan Dharma.

(2) Personal contact between the teachers and the taught.

(3) Emphasis on the ancient Hindu Ideal of "Plain living and high thinking."

(4) Special attention paid to the physical culture of our students.

(5) The variety of subjects offered for choice both in the Intermediate and High School classes.

(6) The special facilities for poor and deserving students through Scholarships, Principal's Aid Chest, and Vidyarthi Sahayak Sabha.

INSTRUCTIVE STAFF.

1.	Hiralal Khanna, M.Sc., Principal ..	Mathematics, X to XII.
2.	Bakshi Mangal Sen, M.A. (Prov.) B.T., Vice-Principal.	English, IX and X.
3.	Balkrishna Tandon, M.A. ..	English, XI and XII.
4.	Chhotey Lal Mehrotra, M.A., B. Com.	Economics, XI and XII. Geography, XI and XII. Commerce, IX and X.

5.	N. C. Mukerjee, M.A. ..	English and History, IX and XI.
6.	Jagannath Singh Mehra, M.A. ..	Logic, XI and XII. English, IX.
7.	Rajendra Kumar, M.A., C.T. ..	History, IX to XII. English, IX.
8.	M. S. Dave, M.Sc. ..	Chemistry, XI and XII.
9.	Radhey Shiam, M.Sc., ..	Biology, XI and XII.
10.	Raghupati Sahai, M. A. (Prev.) ..	Urdu and English, XI and XII.
11.	Saraswati Prasad, M.A. ..	Sanskrit, XI and XII. Hindi, X. History and English, IX.
12.	Ram Swarup Sharma, M.Sc. ..	Physics, XI and XII.
13.	Sadgur Saran Awasthi, M.A. (Prev.)	Hindi, IX to XII.
14.	Ram Swarup, M.A.	Mathematics, IX to XII.
15.	Sardar Narain Singh, B.A., L.T. ..	Geography, IX to XII. English, IX.
16.	G. N. Misra, M.A. (Prev). ..	Mathematics, IX and X. History, X.
17.	N. N. Banerjee, B.A., L.T. ..	English, IX and X.
18.	Sheo Narain Lal, B.A., L.T. ..	Mathematics, IX.
19.	Deo Dutta Arora, B.Sc. ..	Physics, IX and X.
20.	Narbada Prasad Pandey, M.A., B. Com.	Commerce, IX and X.
21.	Kanhaiya Lal, Vyakaran Tirth ..	Sanskrit, IX and X.
22.	Shiv Govind Misra, Visharad Prathama Vyakaran.	Hindi, IX.
23.	Ahmad Husain, Munshi Alim ..	Urdu and Persian, IX and X.
24.	Madho Prasad, Specialised in Manual Training.	Man. Trg., IX and X.
25.	Ram Chandra Tandon, Bombay Inter. (Drawing).	Drawing, IX and X.

EWING CHRISTIAN INTERMEDIATE COLLEGE, ALLAHABAD.

In October, 1846, the British East India Company made over its College work at Allahabad to the American Presbyterian Mission. When the Civil Station was removed from the Jumna in 1853 the Mission purchased the Court building for educational work and started a Collegiate School. After a few years college classes were given up and school classes alone continued, the institution being known as the Jumna Mission School or the A. P. Mission High School.

In 1900 the American Presbyterian Mission decided to reopen the College at Allahabad, and the First Class was formed in 1902. In order to keep school and College separate, the old court building was torn down

and a better home for the school erected at the western end of the Jumna compound, leaving the eastern end free for the College.

This has now the following buildings :—A main College building with a Laboratory for Biology, a Library (of more than ten thousand volumes), administrative offices, eleven lecture rooms, and an Assembly Hall to seat one thousand; a Laboratory for Physics and one for Chemistry; an Infirmary, ten residences for members of the Staff; and five Hostels, with a total accommodation for two hundred. Four of the Hostels are arranged with suites of rooms for one or more unmarried professors.

In 1923, as a result of the reconstruction of the University of Allahabad, the College gave up its B. A. and M. A. classes to the University, and was resolved into two Institutions—an Intermediate College, which took over classes IX and X from the High School, and an Internal College which provided Hostels for University students and gave them tutorial instruction.

The Intermediate College now (August, 1925) has 580 students on its roll.

INSTRUCTIVE STAFF.

Principal-elect.

Charles Herbert Rice, M.A., Ph. D. (Princeton) (*on furlough* 1929-30).

Acting Principal.

Winfield Dudgeon, Ph. D. (Chicago).

English.

Bene Simlai, M.A. (Lucknow).
N. K. Biswas, M.A. (Calcutta).
C. H. Hazlett, B.A. (Washington and Jefferson).
R. C. Roy, B.A., L.T. (Allahabad).
Sidh Nath Chaube, M.A. (Allahabad).
Sadiq Ali, B.A. (Allahabad).
Vidyanand, M.A. (Lucknow).

Logic.

H. T. Bose, M.A. (Calcutta).

Economics.

Saraswati Prasad, M. A. (Allahabad).
M. W. Maclay, B.A. (Columbia).
E. C. Bhatty, M.A. (Allahabad).

History.

F. R. Collins, M.A. (Wooster).
N. N. Ghosh, M.A., L.T. (Allahabad).
Ujagar Singh, M.A., L.T. (Punjab).

Geography.

J. C. Manry, M.A. (Harvard), Ph. D. (Iowa) (*on furlough*, 1929-30).
E. V. Noble, B.A., L.T. (Allahabad). (*on study leave*, 1928—30).
Ram Narain Misra, B.A. (Allahabad).
*M. W. Maclay.
†L. K. Shah, M.A. (Butler), B. D., Ph. D. (Chicago).

Urdu and Persian.

M. A. Hakk, M.A., LL. B. (Allahabad).
Hammad Ali, M.A. (Allahabad).
Md. Habib Husain, Fazil (Allahabad).

Hindi and Sanskrit.

R. K. Shukla, M.A. (Allahabad).
Ram Lakhan Shukla, B.A. (Allahabad).
Krishna Shastri.

Mathematics.

N. B. Mitra, M.A. (Calcutta).
S. Bose, M.Sc. (Allahabad).
L. P. Tandon, M.A., L.T. (Allahabad).

Chemistry.

B. B. Malvea, M.A. M.Sc. (Allahabad) (*on study leave*, 1929-31).
S. C. Agarwal, M.Sc. (Allahabad).
A. K. Roy, M.Sc. (Allahabad).
S. S. Lal, B.Sc. (Allahabad).
S. K. Bose, B.Sc. (Punjab), B. T. (Bombay).

Physics.

R. K. Sharma, M.Sc. (Benares).
P. K. Sur, M.Sc. (Allahabad).
A. C. Roy, B.Sc. (Allahabad).
Bala Prasad Srivastava, B.Sc. (Allahabad).

Biology.

(Winfield Dudgeon).
Kali Sahai Srivastava, M.Sc. (Allahabad).
D. N. Coondoo.
†Panchanan Maheshwari, M.Sc. (Allahabad).
*W. K. Wesley.

General Science.

K. D. Banerji, B.Sc. (Calcutta).
W. K. Wesley, M.Sc., L.T. (Allahabad).

Manual Training.

Bhagwati Prasad, S.L.C., Government Carpentry School.
N. Bowen.

*Major work in another subject.

KAYASTHA PATHSHALA INTERMEDIATE COLLEGE, ALLAHABAD.

The Kayastha Pathshala owes its origin to the magnificent generosity and far-sighted patriotism of Munshi Kali Prasad Kulbhaskar, who gave away his entire property for the intellectual, moral and physical uplift of the Hindu community. In 1873 it was started as a Primary School; it was raised in 1878 to the status of an Anglo-Vernacular School, and in 1882 to that of a High School. In 1895-96 it was affiliated to the Allahabad University up to the Intermediate standard, and in 1914 to the B. A.

Since April, 1922, the Kayastha Pathshala has been divided into three departments:—

(i) The Internal College of the University which provides residence and tutorial and supplementary instruction for students reading in the University;

(ii) The Intermediate College, which consists of classes IX and X of the High School; the First and Second-year classes of the College (called now classes XI and XII); and the First and Second-year commerce classes preparing candidates for the Commercial Diploma Examination of the Intermediate Board; and

(iii) The Middle School which consists of classes III to VIII.

INSTRUCTIVE STAFF.

1.	Gokal Chand, B.A. (Hons); M.A., LL.B., T. D. (London) Principal.	English XI and XII.
2.	J. Sen, M.Sc., Vice-Principal ..	Mathematics, X to XII.
3.	Brijraj, M.A., B.Sc., LL.B. ..	English, XI, XII, XI C. D. and XII C. D.
4.	G. Bhargava, M.Sc.	Physics, XI and XII.
5.	B. L. Varma, M.A.	English, IX; History, IX to XII.
6.	B. C. Bose, M.A.	English and Logic, XI and XII.
7.	Dharam Narain, M.Sc. ..	Biology, XI and XII.
8.	Madhav Prasad, M.A., L.T. ..	Geography, IX and X.
9.	Sundar Lal, M.A., L.T. ..	English, IX and X; History, XI.
10.	Ganeshi Lal, B.A., M.F. ..	Persian, XII—IX.
11.	S. D. Murty, M.A., Kavyatairtha ..	Sanskrit, XII to IX.
12.	Jalpa Prasad, M.Sc. ..	Chemistry, XI and XII.
13.	B. L. Gaur, M.A., B. COM. ..	Economics, XI, XII, C. D. I and II year.
14.	Ganesh Prasad, B.A.	Mathematics, IX and X.
15.	Gaya Prasad, M.A., B.Sc. ..	English, IX, X, and C. D. I year.

16.	S. Sharma, B. Com.	..	Accountancy, XI C. D., and XII C. D. ; Stenotyping, XI C. D. ; Shorthand, XII C.D.
17.	P. D. Saxena, B. Com.	..	Business method, XI C. D. and XII C. D.; Typewriting, XII C.D.
18.	Babu Rama, High School, M.F.	..	Urdu, IX and X.
19.	Anandi Prasad, Intermediate	..	Hindi, IX and X.
20.	Dwarka Prasad, Bombay III Grade,		Drawing, IX and X.

ANGLO-BENGALI INTERMEDIATE COLLEGE, ALLAHABAD.

This institution took its birth as a humble pathshala in November, 1875, when the Bengali residents of Allahabad, feeling the want of a suitable school for imparting English education to the Bengali boys through the medium of their mother-tongue, made a small beginning with five boys and one teacher in a private house in the city. With the help of private subscription this infant school steadily worked its way through many weary years of struggle. In the year 1886 it became a self-supporting institution with 178 boys on its roll and it taught up to the Entrance Standard of the Calcutta University down to 1888, and in 1889 it was affiliated to the Allahabad University, sending up boys for the Matriculation examination every year and achieving excellent results in most years.

In 1894 Sir Promoda Charan Banerji laid the foundation-stone of the present building, and on 28th November, 1899, the late Sir Arthur Strachey, Chief Justice, opened the school in the new building as it then stood. At the end of December, 1925, when it had completed 50 years of its existence, it had 523 boys on its roll. With the sanction of the Board of High School and Intermediate Education the school was raised to the status of an Intermediate College, recognition in the first instance having been limited to English, Mathematics, Sanskrit, Modern History and Logic, and it was formally opened on the 9th July, 1926. The Primary classes I to IV have been removed to a separate building.

The school was managed by the Allahabad Bengali Educational Society, which is a registered body.

The College is located in a double-storied commodious building in a healthy part of the town between the city and civil station on a public road and has ample play-grounds.

The management of the institution is placed in the hands of a managing committee formed out of the above society, consisting of a President, two Vice-Presidents, one Secretary and two Assistant Secretaries and 25 elected members. The office-bearers are as follows :—

President.—Sir Promoda Charan Banerji, Kt.

Vice-Presidents—The Hon'ble Mr. Justice Lal Gopal Mukerjee
and
Dr. Saraju Kumar Mukerji, Rai Bahadur.

Secretary—Babu Durga Charan Banerji.

Assistant Secretaries—Babu Haridas Mukerji (*deceased*)
and
Babu Kumar Chandra Bhattacharya

INSTRUCTIVE STAFF.

1.	B. N. Kar, M.A., B.SC., LL.B., Principal.	Mathematics, XII and XI.
2.	P. C. Ghose, B.A. officiating ..	General English, XI; English text and General English, X.
3.	K. C. Mukherji, M.A., L.T. ..	Mathematics and Logic, XII and XI.
4.	D. N. Dutt, M.A., B.T. ..	English and General English, XII to X.
5.	D. T. Sen, M.A., B.L.	History (Indian), XII and XI; History (English), X and IX.
6.	B. N. Chakravarti, M.A. ..	Sanskrit and Bengali, XII and XI; Bengali, X and IX.
7.	S. C. Bose, M.A.	Economics and English History, XII; Economics, XI; English text and General English, IX.
8.	K. C. Sinha, M.A., L.T. ..	History (European), XII and XI; History (Indian), X; General English and History (English), XI.
9.	Jogendra Nath Bhattacharji, B.A., L.T.	Mathematics, X and IX.
10.	J. N. Bhattarcharji, B. A. ..	Geography, X and IX.
11.	A. T. Bhattacharji, B.A., C.T. ..	Mathematics, X and IX.
12.	T. B. Chakraberty, M.A., ..	General English, X; English text and General English, IX.
13.	M. N. Bagchi, B.A., L.T., ..	General English, X.
14.	K. C. Misra, B.A.	Sanskrit and Hindi, X; Sanskrit, IX.
15.	Muhammad Amiruddin ..	Persian and Urdu, X and IX.
16.	Muhammad Umar	Persian, X and IX.
17.	K. D. Malviya, Madhyama ..	Hindi, IX.
18.	G. K. Bhattarcharji, B. Sc. ..	Science, X and IX.
19.	G. P. Shastri, Madhyama ..	Bengali, IX.
20.	D. N. Das, Inter.	Bengali, IX.
21.	S. Chatterji Normal Tra. ..	Drawing, X and IX.

UDAI PRATAP COLLEGE AND HEWETT KSHATTRIYA SCHOOL, BENARES.

The Udai Pratap College and Hewett Kshattriya School was originally a High School founded by Raja Udai Pratap Singh, C.S.I., of Bhinga, with an endowment of 10½ lakhs of rupees for the purpose of spreading English education among the Kshattriya community and fostering the traditional characteristics of the Kshattriya race. The endowment was generously increased in July, 1921, by the Maharani Sahiba, widow of the late founder, to 12½ lakhs to provide for increase of salaries to the staff and has recently been further increased by her to 18½ lakhs to raise the school to the status of an Intermediate College.

The management of the institution is under the control of the Local Government assisted by a committee of management composed of Government officials and Kshattriya Rajas and gentlemen.

His Excellency the Governor of the United Provinces and some Kshattriya Ruling Chiefs are visitors of the school.

The school was opened on the 1st of January, 1909, in the old school building by Sir H. V. Lovett, K.C.S.I., I.C.S., the then Commissioner of Benares. The foundation-stone of the new building was laid on the 25th November, 1909, by His Honour Sir J. P. Hewett, G.C.S.I., K.C.I.E., the then Lieutenant-Governor, United Provinces.

A new Science Laboratory has been constructed and equipped at a cost of about Rs. 75,000.

The grounds cover more than 50 acres. The total value of land and building exceeds 8 lakhs of rupees.

The staff consists of a European Principal and a Vice-Principal and over 30 Assistants, most of whom are Kshattriyas and resident.

Foundation scholarships, aggregating Rs. 3,960, are awarded annually on the combined results of the half-yearly and yearly examinations. One Edward Kshattriya scholarship each year to the value of Rs. 96, also Bhinga Raj scholarships aggregating Rs. 684, are now tenable only in this institution.

All masters and pupils before their appointment are required to make a declaration of loyalty to the British Government, and a promise to keep aloof from sedition, race hatred, rowdyism, and ribaldry. The aim and object of this institution as set forth by its founder is not only to stimulate English education amongst his community, but also to turn out God-fearing Kshattriyas, loyal to the King-Emperor, dutiful to their parents, and respectful towards their superiors.

INSTRUCTIVE STAFF.

1.	B. E. English, Principal, B.A. (Cantab.).	English,	XII.
2.	N. K. Ghosh, Vice-Principal, B.A., F.R.S.A.	English,	X.

3.	Ganga Saran Bhargava, B.SC., L.T.	Science, X and IX.
4.	Lantoo Singh, M.A., L.T. ..	History, XII to IX.
5.	Tara Prasad Singh, M.A., LL.B. ..	English and Logic, XII and XI.
6.	Rama Krishna Vaishya, M.A., LL.B.	Economics, XII and XI; Mathematics and English, IX.
7.	Rajwant Singh, M.C., LL.B. ..	Mathematics, XII to X.
8.	Durga Singh, M.SC., LL.B. ..	Chemistry, XII and XI.
9.	Chand Narain Hangal, M.SC. ..	Physics, XII and XI.
10.	Lalita Pd., B.A., L.T. ..	English, X and IX.
11.	Ram Pratap Singh, C.T. ..	Geography, X and IX.
12.	Ram Palat Singh, M.A. ..	Hindi, XII to IX.
13.	Bimal Chandra Chatterji, B.SC., L.T., LL.B.	Mathematics and English, IX.
14.	Jag Mohan Jha, Kavyatirtha, Entrance Examination, Allahabad, Special Vernacular.	Sanskrit, XII to X.
15.	Md. Azhar Ali, Fazil, Dabri Kamil and H. S. Examination.	Persian, XII and XI; Urdu, X and IX.
16.	Bechan Singh, S. L. C., and Inter. Grade Drawing, Bombay.	Drawing, X and IX.
17.	Nand Lal Singh, C.T.	Hindi, X.
18.	Rama Lagan Singh, S.L.C. ..	Hindi, IX.
19.	Anant Ram Shastri, Sahityopadhyay.	Sanskrit, XII and IX.
20.	Saiyed Ashghar Husain, Munshi Fazil and Mulla.	Persian, X and IX.

ST. ANDREW'S COLLEGE, GORAKHPUR.

The Intermediate classes were opened in 1901 when recognition was granted in the usual subjects including Science. There were 29 students in the two classes in that year and they formed additional classes to the Mission High School. In the year 1905 the numbers had risen to 35 and recognition was granted in Physiology. During these early years the Rev. R. J. Kennedy was Principal.

About the year 1915 it was decided to open B. A. classes for which a new building was a necessity. It was made possible by a generous gift from a friend of the College and was opened during the principalship of Dr. Garfield Williams in 1916 by Sir James Meston, the then Lieutenant-Governor of the United Provinces. The Intermediate classes were moved to the new building, but the teaching of Science subjects was dropped. Since this date the numbers have steadily risen until to-day the numbers in these classes total 170.

Another step forward in the history of the College was made possible in 1925 by the liberal help from the local gentry. A new Science department was built and recognition was granted by the Intermediate Board in Chemistry, Physics and Biology. This department like the Arts department is well built, well equipped and well staffed.

The College is under the control of the Church Missionary Society. It endeavours to meet the needs of higher education in the Gorakhpur division. In examination results its record is remarkably good. It is well situated in a convenient site with play-ground close at hand, but its hostel accommodation is at present inadequate. It is hoped to make good this weakness as soon as possible.

INSTRUCTIVE STAFF.

1.	Rev. A. C. Pelly, M.A. (Cantab.), Principal.	English.
2.	C. C. Chatterjee, M.A., B.Sc. ..	English, XII.
3.	H. C. Mukerjee, M.A.	English, XI and XII.
4.	N. N. Mundle, M.A.	History, XI and XII.
5.	R. N. Sanyal, M.A.	History and Economics, XI and XII.
6. 7.	B. G. Nandi, B.A. } A. Osmand, M.A. }	Logic, XI and XII.
8.	K. C. Chatterjee, M.Sc.	Mathematics, XI and XII.
9.	L. M. Kar, M.A.	Sanskrit, XI and XII.
10.	Muhammad Asghar	Persian, XI and XII.
11.	J. W. Paul, M.Sc.	Chemistry, XI and XII.
12.	B. N. Ghosh, M.Sc.	Physics, XI and XII.
13.	M. O. Varkey, M.Sc.	Biology, XI and XII.
14.	Jokhu Lal Agarwala, B.Sc. ..	Demonstrator, XI and XII.

LUCKNOW CHRISTIAN COLLEGE, LUCKNOW.

This institution was founded in the year 1866 in Inayat Bagh, and in the year 1877 the school was removed to Golaganj and a beautiful and strong brick building known as the Centennial High School was built.

The College was founded in 1888 by the late Rev. Dr. B. H. Badley, whose name the Science block bears. It gradually grew to be a first grade College affiliated to the B. A. and B. Sc. standards of the Allahabad University.

The School of Commerce founded in 1892 has had Government patronage and has given instruction in commercial subjects, especially in Shorthand and Type-writing, to scores of Government officials deputed by Government, as well as to hundreds of other young men now in business life. The College has the distinction of being the inventor of Urdu Shorthand.

With the establishment of the Lucknow University this College was made an Intermediate College in the year 1921. It has two other departments connected with it, the School of Commerce and the Centennial Middle School both in separate buildings.

There is an enrolment of 751 in all the departments of this institution during the current year. The Intermediate College has an enrolment of 498 this year, the largest enrolment being in the Science and Commercial Diploma classes.

There are two hostels connected with the College, one for Christian students called the Osman Caldwell Hostel with accommodation for 130 students, and the other the C. L. Bare Hostel (named after an ex-Principal of this College) with accommodation for 120 students.

The buildings are most commodious and their hygienic condition is all that could be wished. The Science Laboratories for Physics, Chemistry and Biology have been equipped at a cost of about Rs. 2,00,000.

There are six Americans and 24 Indians on the teaching staff. There are 11 M. A.'s, four M.Sc.'s, seven B. A.'s, three B.Sc.'s, one B. Com., one commercial diploma-holder in addition to a highly-qualified Pandit, a Shastri and a well-qualified assistant Maulvi. Of these three are trained teachers.

There is a whole-time Physical Director, who is an American gentleman. The students play cricket, foot-ball, hockey, basket-ball, volley-ball and base-ball and tennis. Every student has to undergo an annual compulsory physical test.

There is satisfactory arrangement for the medical supervision of students. Two qualified doctors have been appointed by the institution for this purpose.

There are two Literary Unions or Debating Clubs in the College which meet every Saturday. There is also a Literary Union conducted by the inmates of the C. L. Bare Hostel under the supervision of the head of the department of English. Annual Oratorical Contests are held and prizes are awarded to the best speakers among the students. Mushairas are also held annually. This year the College has started classes in Elocution and in Music.

There is a good library connected with the College which has nearly 4,500 volumes on almost all profitable subjects, and it is well organized. It is supplied with the leading English, American, and Indian newspapers and magazines.

The College not only tries to give intellectual training to its students, but it also endeavours to turn out loyal and law-abiding and useful citizens. Their moral and religious welfare is carefully looked after. The Christian students have their Students' Christian Association, Church Services and Young People's Society which they regularly attend. There are organizations like the Friends Federation within the institution which encourage

all students to take an active part in social and community service. The development of true character is recognized by the College as its supreme task.

The College has an "Old Boys' Association" and its members are beginning to take an active interest in the welfare of their Alma Mater.

The College is under the control of the Methodist Episcopal Church.

INSTRUCTIVE STAFF.

1.	Rev. J. R. Chitambar, M.A., D.D., (U.S.A.), Principal.	English, XII.
2.	Rev. B. C. Harrington, M.A., B.Litt. (Columbia and Princeton), U. S. A., Vice-Principal.	Economics, XI.
3.	Tarak Nath Das, B.Sc., (A.U.), F.C.S., London.	Chemistry, XI and XII.
4.	Nalini Nath Bose, M.Sc., (A.U.) ..	Mathematics, X, XI and XII.
5.	Rev. E. R. Tweedie, M.Sc., (U.S.A.)	Chemistry, XII.
6.	G. N. Bhakay, M.Sc., (A.U.), LL.B., (L.U.).	Biology, XI and XII.
7.	M. L. Agarwala, B. Com., (L.U.), F.R.E.S.	Book-keeping, Business Methods, Commercial English, XI and XII.
8.	S. K. Zibbu, M.Sc., (P. U.) ..	Zoology, XI and XII.
9.	M. P. Nigam, M.Sc., (L. U.), F.R.M.S., London.	Biology, XI and XII.
10.	S. K. Mukerji, B.Sc., (A. U.) ..	Science and Mathematics, IX and X.
11.	N. C. Sircar, M.A., (C. U.) ..	English and Logic, XI and XII.
12.	Rameshwar Prasad Shastri, Sahityopadhyaya, Shastri, Kavyatirth and Matric.	Sanskrit, IX to XII and Hindi, IX and X.
13.	Rev. S. L. Sheets, M.A., (Harvard), S. T. B.	English, IX to XII.
14.	Rev. M. C. Biswas, B.A., L.T., (A. U.)	English, X and XII.
15.	D. Loomba, M.A., (P. U.), LL.B., (L. U.) F.R.E.S.	Economics, XI and XII.
16.	Syed Mohammad Hussain, M.A., LL.B., (A. U.), Maulvi Fazil, Mulla Fazil and Munshi Fazil.	History, IX and X and Persian, XI and XII.
17.	Syed Akbar Husain, Maulvi Dabir-i-Kamil and Matric.	Urdu and Persian, IX and X and Arabic, XI.
18.	Y. Shipstone, C. D. and Commercial Normal Trained.	Commerce, IX and X and Typewriting, XI and XII.
19.	W. C. Thoburn, M.A., B.Sc., (U. S. A.)	Physics, XI and XII.

20.	N. Joardar, B.A. (Hons.). M.A. (C. U.), B. Ed. (Pat.), F.C. P. London).	English, XI and XII.
21.	Syed Huzur-ul-Hasan Zaidi, B.Sc. (L. U.)	Physics, XI and XII.
22.	Henry H. Lyons, B.A. (C. U.) ..	History Ancient and Modern, XI and XII and English History, X.
23.	O. Joshua, Senior Cambridge, Government Technical Examination, Madras, F. I. P. S. (London.)	Shorthand, XI and XII.
24.	R. W. Mathur, B.A. (P. U.), L.T. (A. U.) and Vernacular Department Examination in Hindi, (A. U.).	English, IX to XII.
25.	C. K. Gon, M.Sc. (L. U.) ..	Physics, XI and XII.
26.	N. K. Mundle, B.Sc. (C.U.) ..	Chemistry, XI and XII.
27.	Adittya Sharma, B. com. (L. U.)	English, XI, XII C. D.; Geography, X; Commercial Geography, XII.
28.	J. S. Kankikoppa Patel, B.A. (L. U.)	Tutorial Work in Economics, XI and XII.
29.	C. M. Solomon, B.Sc. (L. U.) ..	In Training.

SHIA INTERMEDIATE COLLEGE, LUCKNOW.

In 1914-15 Nawab Sir Fateh Ali Khan Qazilbash started a movement for opening a college for Shia boys and invited the co-operation of his co-religionists in India. A fund called the Shia College Fund amounting to rupees nine lakhs was raised under the leadership of the Nawab in course of a few years. The Government also offered to contribute half the cost of secular instruction in the College when started.

In July, 1920, the Shia Intermediate College was opened with two intermediate classes and two years later the 9th and 10th classes of the Shia School, which were opened in 1919, were transferred to the Intermediate College. The College has thus four classes and prepares boys for the Intermediate and High School Examinations of the Board. There is also a Theological department which imparts instruction in Shia Theology. Attendance at Theology lectures is compulsory for Shia boys, but optional for others.

Without detriment to the main object of the College youths of other denominations are freely admitted to the College.

The supreme control, direction and management of the Shia Intermediate College and the Shia School are vested in a Board of Trustees. The executive administration and government of the Shia Intermediate College and its hostel, subject to the general control and supervision of the Board of Trustees, vest in a Managing Committee of twelve members.

INSTRUCTIVE STAFF.

1.	S. C. Sen, M.A. (Philosophy), B.A., Honours in Phil.; Scholar of Jena and Gottingen (Germany), Principal.	Logic, XI and XII. English Text, XII.
2.	C. C. Sarkar, M.A. (Mathematics), Vice-Principal.	Mathematics, X to XII.
3.	Mirza Ashiq Husain, M.A. (English), L.T., (Allahabad).	English, XII and XI. Composition, IX.
4.	S. C. Bhadury, M.A.D. (History)..	History, IX to XII.
5.	S. Naqi Hosain Alley, M.A. (Economics, (Alig.), LL.B.	Economics, XII and XI. English, IX.
6.	S. Bundey Hasan, B.A., L.T., LL.B.	English Comp., XII. English Text and Comp., X and IX.
7.	S. Akbar Ali, B.A., L.T., M.A. Previous.	Geography and Math., X and IX.
8.	M. S. Sadiq Husain, Munshi Fazil, Maulvi Fazil and Mulla Fazil.	Arabic, XII—IX; Urdu, IX.
9.	Mohammad Ahmad, (Bekhud), M.A. (Persian).	Persian, XII—IX; Urdu, X.
10.	M. Wajid Mirza, Final Examination of Arts, Lucknow, and Sir J. J. School of Arts, Bombay.	Drawing, X and IX.

KANYAKUBJ INTERMEDIATE COLLEGE, LUCKNOW.

It was in the year 1918 that the Kanyakubj community, at its conference under the Presidentship of Pandit Gokaran Nath Misra, M.A., resolved to open a Kanyakubj English School. The resolution was given effect to on July 3, 1918, when Raja Sahib Lieutenant Pandit Kali Charan Misra of Bareilly laid the foundation of the Kanyakubj school.

In July, 1920, permission was obtained for opening classes IX and X. The High School began its work in July, 1921. On the opening of class X in 1922 it was found desirable to raise it to the Intermediate standard, for which a request was made to the Director of Public Instruction.

On April 5, 1923, the Director of Public Instruction sanctioned the raising of the High School to the Intermediate standard. Accordingly, in July, 1923, XI class was opened, and in July, 1924, XII class was added.

INSTRUCTIVE STAFF.

1.	Bramha Swarupa, M.A., Eng. (Allahabad), C.T. (Lahore), Principal.	English Prose, XI and XII.
2.	Karuna Shanker Misra, B.A. (Oxon). Vice-Principal.	English Poetry, and General English, XI; English, IX B; English History, XI and XII.
3.	Krishna Lall Shastri, M.A. (Math.) Shastri (Punjab).	Mathematics, X; Geometry, IX B; Mathematics, XI and XII.
4.	Satish Chandra Banerji, B.SC., L.T. (Allahabad).	Science, IX and X.
5.	Nirmal Chandra Chatterjee, M.A., English (Benares).	English Poetry and General English, XII; English, X; Unseen and Grammar, IX.
6.	Iqbal Bahadur Saksena, M.A., Economics (Allahabad).	English, IX A; Economics, XI and XII.
7.	Sheo Prasad Shukla, M.A., Sanskrit (Lucknow).	Sanskrit, IX, to XII.
8.	Girwar Shanker Dixit, M.A., History (Allahabad), LL.B. (Alld.).	History, IX; Indian History, X to XII.
9.	Changa Lall Malviya, M.A., Hindi (Allahabad).	Logic, XI and XII; Hindi, XI and XII.
10.	Ram Behari Panday, B.A., L.T. (Allahabad).	Geography, IX and X.
11.	Satya Prasanno Mukerjee, Government School of Arts, Calcutta.	Drawing, IX and X.
12.	Khadim Husain, Maulvi Punjab, Mulla-Fazil, (Allahabad).	Persian, IX, XI and XII; Urdu, IX.
13.	Ujji Lall Awasthi, B.A., Allahabad, L.T. (Benares).	Mathematics, IX.
14.	Jaffer Husain, Dabir Kamil (Lucknow).	Persian, X; Urdu, X.

ST. GEORGE'S COLLEGE, MUSSOORIE.

Founded in 1853 on a site acquired by the Italian Capuchin Mission, surrounded by an extensive and well-wooded estate, the College was staffed by the Mission Fathers up to 1893, the last clerical Principal being the learned and esteemed Father Duggan, who handed over to the Irish Brothers of St. Patrick in January of that year.

The coming of the Brothers marks the beginning of a new era in the history of the College. Primarily intended as it was for the higher education of the sons of better class Europeans in India the College, under the

Principalship of Rev. Brother Stapleton, took on the tone of the Home public schools and intended its curriculum to meet the highest demands of those who sought in India the benefits of a Home education without the excessive expenditure and separation from their families that going Home would entail.

At this time the College taught for the Provincial High, Middle and Primary Examinations, the Entrance Examinations of the various public departments, and of the Roorkee Engineering College. St. George's was also affiliated to the University of Allahabad.

Under the Principalship of Rev. Bro. Haverty new buildings, including an entirely new wing, were erected, the north wing was raised and re-roofed and many structural changes were made to render the edifice more suitable for its purpose. Under Rev. Bro. Smyth the present extensive playing flat— literally hewn out of the rock—was completed, and to his successor, Rev. Bro. Dineen, the College owes the hospital, an airy and comfortable building situated at a sufficient distance from the main block and staffed by a fully qualified medical attendant and a trained sister; as well as the commodious teachers' quarters for the lay staff. To the Rev. Bro. Commins, who succeeded Bro. Dineen, is largely due the present excellent tone in the matter of field sports of which the College is justly proud.

Quite recently, under Rev. Bro. Doyle, St. George's has taken rank as a Secondary College, entitled to teach up to the Intermediate Arts. Owing to his exertions, and at very considerable expense, two Science Halls have been built and recognition is sought to enable the College to teach Intermediate Science. The existing Intermediate Arts Class is flourishing. Graduates in Arts and Science on the staff are doing excellent work, and the successes of the College in the Cambridge Locals entitle St. George's to the front rank among such institutions.

INSTRUCTIVE STAFF.

1.	Rev. Bro. S. J. Commins Principal,	Latin and French.
2.	Rev. Bro. S. J. Darcy ..	English.
3.	M. Hanrahan, B.A. (Home) ..	Ancient and Modern History.
4.	J. N. Day, M.SC., L.T. ..	Science and Mathematics.
5.	Rulia Ram Aul, B.A.	Mathematics.

ST. JOSEPHS, COLLEGE, NAINI TAL.

St. Joseph's College, Naini Tal, was founded in 1888 by the Capuchin Fathers. It was handed over to the Irish Christian Brothers in 1892. Its beginnings were small, whether with regard to buildings or numbers. New wings were added in 1900, 1910 and 1920, and minor improvements were made yearly. The numbers increased from 27 in 1893 to 302 in 1925.

The College has well-equiped laboratories and libraries. It has four good play-grounds and a swimming and rowing club.

INSTRUCTIVE STAFF.

1.	Rev. Bro. J. B. Connolly, Principal	Mathematics.
2.	Rev. Bro. E. B. Mockler, Vice-Principal.	Physics.
3.	Rev. Bro. T. A. Murphy ..	English and Mathematics.
4.	S. N. Roy, M.SC.	Chemistry.

LA MARTINIERE COLLEGE, LUCKNOW.

The La Martiniére College is the result of an order in the will of Major-General Claude Martin, H.E., I.C.S., a native of Lyons, in France, who died in Lucknow in 1800 A.D. He leaves his house to be "A School or College for teaching young men the English language and Christian religion."

Owing to legal difficulties 40 years passed before his will was carried nto effect, but in that year the High Court of Calcutta passed an order instituting the College. The College ran till 1857, when under Mr. Schilling 98 boys entered the Residency and played their part in that memorable siege. On being relieved the College went to Benares, but returned to Lucknow in 1859.

From that date onward it has occupied a prominent place in European education in the north of India. Under the guidance of Mr. Sykes, who was Principal from 1880 to 1908, the College dominated the entrance to Roorkee and the work of the school was made subservient to this ideal.

When Mr. Sykes retired the College was re-organised along the lines suggested by Sir Harcourt Butler, the then Deputy Commissioner of Lucknow. The College was extended in 1912 and laboratories and numerous buildings for masters were added. Recognition as an Intermediate College was obtained in 1923.

The College, which is housed in the fine old building of "Constantia," has an enrolment over 250, 200 of whom are in residence. The bulk of the boys aim at the Cambridge School Certificate, and Intermediate class caters for those who care to go up for higher education.

With the funds provided by the Founder the College maintains a very strong staff of teachers, most of whom are trained, and in addition provides for a roll of foundationers 100 strong. Election to the Foundation is made by the Governors, who include the Chief Judge of the Chief Court of Oudh, the Commissioner, the General Commanding, the Deputy Commissioner, and two co-opted members. The finances of the College are in the hands of Trustees, who are the European Members of the Executive Council of His Excellency the Governor, United Provinces, and the Legal Remembrancer to Government, United Provinces.

INSTRUCTIVE STAFF.

1.	W. E. Andrews, M.A. (Oxon), F. R. G. S., Principal.	European History, XII and XI; Empire History, X; Latin, X; Geography, XII.
2.	J. G. Taylor, M.A. (Glasgow), B.Sc.	Science (Physics and Chemistry), XII and XI; Chemistry, X and IX.
3.	N. A. Holdaway, M.C., B.Sc. (London), F. R. G. S.	Geography, IX to XII; Mathematics, IX to XII.
4.	R. A. Cowling, M.A. (Sheffield) ..	English, IX to XII.
5.	W. C. James, B.A.L.T. (Allahabad)	Mathematics, IX.
6.	J. H. Clay, B.A., L.T. (Madras) ..	Latin, IX.
7.	G. P. Banerji, M.Sc. (Allahabad) ..	Science (Physics), IX and Demonstrator, IX and X.
8.	T. De Gruyther, C.T. (Sanawar), A. C. P. (London).	Drawing, X and IX.
9.	G. L. Cummings, B.A. (Allahabad), L.T.	Indian History, XI and XII; History, IX.
10.	Maulvi Abdul Majid ..	Urdu, X and IX.

CROSTHWAITE GIRLS' INTERMEDIATE COLLEGE, ALLAHABAD.

This institution was started in the year 1894, under the auspices of the Association for the Higher Education of Women in the United Provinces of Agra and Oudh—a body constituted at the suggestion of the late Sir Charles Crosthwaite, K.C.S.I., the then Lieutenant-Governor of the United Provinces. A primary school was first established in Lucknow and was given the name of the Crosthwaite School. The school could not prosper in Lucknow, and in 1898 was removed to Allahabad, where it was located for some time in muhalla Mahajani Tola. In 1908 the present site, comprising about 40 bighas of land, was obtained for it. The school which was started only with the primary classes grew into a Vernacular Middle School. In the year 1910 it was converted into an English Middle School, and in 1915 into a High School. The first group of students came out successfully in the Matriculation Examination of the Allahabad University in 1918. Classes for preparing candidates for the Intermediate Examination were opened in 1919, and the school developed into a second grade college with the result that the first group appeared at that examination in 1921. When the Board of High School and Intermediate Education was constituted the institution was recognized by that body and permitted to teach almost all the important subjects excepting Science for both the Intermediate and High School Examinations. Besides these Intermediate classes, for the training of women teachers were also added in July, 1921.

A new hostel, "Lady Sunder Lal Hostel," was completed in the year 1920 at a cost of Rs. 80,000 and provides accommodation for Hindu, Muhammadan, and Christian pupils, 96 in number. It has been recognized by the Allahabad University for the residence of the girls studying for the various University Examinations. The tuitional staff consists of a Lady Principal assisted by 17 other teachers of whom nine are graduates and nine under-graduates. The number of trained teachers in the staff is eight.

INSTRUCTIVE STAFF.

1.	Miss C. R. Poovaiah, B.A. ..	English, XII to X.
2.	Miss S. Duara, M.A., B.T. ..	Child-Study, XI and XII.
3.	Miss M. S. Rawani, B.A., B.T. ..	Geography, IX and X; Logic, XI and XII; Geometrical Drawing, X.
4.	Miss S. Uthup, M.A., L.T. ..	Economics, XI and XII; History, X to XII; General English XI and XII.
5.	Miss L. K. Rao, B.A.	Domestic Science, IX to XII; English, IX and X.
6.	Miss L. D. Pathak, B.A. ..	English, X to XII.
7.	Miss B. Ghosh, M.A.	Mathematics, X to XII; Sanskrit, IX to XII.
8.	Miss C. Tripathi, M.A.	Hindi, IX to XII.
9.	Miss L. P. Das, B.A.	Bengali, X to XII; Sanskrit, IX and X.
10.	Miss O. Noble, Special Trained in Drawing.	Drawing, IX and X; Geometrical Drawing, IX and X.
11.	Miss S. Basu, Expert in Needlework.	Sewing, IX and X.
12.	Mrs. A. Dalal, Expert in Embroidery.	Embroidery work, X to XII.
13.	Mrs. Patwardhan, Expert in Music	Music, IX to XI.

ISABELLA THOBURN COLLEGE, LUCKNOW.

The Isabella Thoburn College received its charter in 1886 and was affiliated to the Allahabad University. It grew out of the Lal Bagh School which had been opened in 1870 and was the natural outgrowth of an increasing demand for the education of women in the higher classes. The College continued its affiliation with the Allahabad University presenting candidates for the Intermediate Examination and for the B.A. The College and the School were administered in conjunction until the year 1919 when a separate Principal was provided for the School, and the College ad-

ministration became wholly distinct. As the number increased the accommodation at Lal Bagh became insufficient, and in 1921 the new site was procured just outside the municipal limits of Lucknow and new buildings were erected. When the Lucknow University was organized, there being no women's department provided in the University scheme, Isabella Thoburn College was permitted to retain its B.A. classes and now serves the purpose of a women's college for the University. The old affiliation with the Allahabad University was discontinued from the time of the organization of the Lucknow University.

The College maintains the following departments :—

The Intermediate (classes XI and XII).

The University B.A., (B.Sc.).

The Training Department (E. T. C.).

The Education department for the training of Graduates (Diploma in Teaching, Lucknow University).

The present total enrolment is 131.

The College compound is known as Chand Bagh. Nichol's Hall contains class rooms, laboratories, library and offices. There are two hostels, a common dining-room and a hospital, while the staff live in the same compound. Each hostel is in charge of two American teachers who act as wardens. The buildings are all airy and open, solidly constructed, and are fire-proof. The College maintains its own water system and sewage system, but is lighted with electricity from the city supply.

The examination results have always been good, but this does not indicate that all efforts are concentrated on academic work. Various social and helpful activities are carried on both within and without the College by the students and teachers. The aim is to train young women for useful living and helpful service in and for India.

INSTRUCTIVE STAFF.

1.	Miss M. Shannon, M.A., Principal.	
2.	Munshi Baij Nath Figar	.. Persian, XII.
3.	Miss Shunity Ghosh, B.Sc.	.. Physics, XI and XII; Dynamics, XII.
4.	Miss Henrietta Inglis, M.A.	.. Ancient History, XII; Mathematics, XI and XII.
5.	Miss Ruth Manchester, M.A.	.. European History, XII.
6.	Miss Sadie Johnson, B.A.	.. English, XII.
7.	Miss Roxana Oldroyd, M.Sc.	.. Biology, XI.
8.	Miss Ethel Prem Singh, B.Sc.	.. Physiology and Hygiene, XI.
9.	Mr. S. Roy, M.Sc. ..	.. Organic Chemistry, XI and XII.
10.	Mr. Sri Ram Srivastava, M.A.	.. Sanskrit and Indian History, XII.
11.	Miss Thillayampalam, Ph.D.	.. Biology, XII.

12. Miss Ivy Thomas, B.A., D.T. .. Economics, XI and XII.
13. Miss Butchamma Venkata Ratnam, M.A. Child-Study, XII.
14. Miss Shelomith Vincent, M.A. .. European History, XI and XII.
15. Miss Margaret Wallace, M.A. .. Chemistry, XII.
16. Miss Laura Williams, M.A. .. English, XI.
17. Miss Shanti Dey, M.A., B.T. .. Indian History, XI.

THEOSOPHICAL NATIONAL GIRLS' SCHOOL AND WOMEN'S COLLEGE, BENARES.

The Theosophical National Girls' School and College for women was established in 1913 by Dr. Annie Besant and Miss F. Arundale with the idea of imparting to Indian girls an education which, while preserving all that is best and highest in the ancient ideal of womanhood, would endeavour to equip the Indian girls for the changed life of to-day. The institution, which for many years was carried on entirely by private effort, has now won recognition and support from Government, and is a recognized College preparing students for the examinations of the Board of High School and Intermediate Education; it also prepares candidates appearing privately for the B.A. Degree examination of the Benares Hindu University.

The School and College buildings are situated in the extensive grounds adjoining the premises of the Indian section of the Theosophical Society, thus securing the proper conditions for the effective carrying on of the work of the institution. There are large play-grounds, where the girls can play about in sufficient privacy and seclusion.

The staff consists of a number of Indian ladies drawn from the best families who have devoted their lives to the service of their fellow-women. They bring to the work a spirit of consecration, and by living in close association with them the pupils will be able to imbibe the spirit of Hindu culture, which is so vital for the regeneration of India. There is also on the staff a number of European ladies who have come to India with the desire to help the country, who are in thorough sympathy with Indian culture and are gladly co-operating with the Principal in the work of lifting the womanhood of India to its proper position in the life of the nation.

INSTRUCTIVE STAFF.

1. Mrs. B. Padmabai S. Rao, B.A. (Allahabad), Principal.
2. Miss H. Veale, B.A. (London), Vice-Principal, English, Mathematics and English History.
3. Miss K. K. Sharga, M.A. (B.H.U.) Hindi and Economics.
4. Miss S. Duara, M.A., L.T. Indian and English History.

5.	Miss K. Desai, M.A. (Philosophy) ..	Logic, Child-Study and General English.
6.	Mr. A. S. Patwardhan, M.A., Hony.	Economics and History.
7.	Miss A. Wagh, B.A.	English and Geography.
8.	Miss Suniti Kaira, B.A. ..	English, English History and Hindi.
9.	Miss N. Kisch (Drawing) T. T. III. 1st class, L.U.C. Ablett Teacher, Artist, R.D.S.	Arts and Drawing.
10.	Miss K. Veale, Experienced Teacher	English and Geography.
11.	Mr. Jagdish Narain Upadhya, M.A. (Hindi).	Hindi.
12.	Mr. T. A. Bhandarkar, Intermediate and Acharya.	Sanskrit.
13.	Mrs. Biraj Lakshmi, Intermediate	Mathematics and Sanskrit.
14.	Miss Annapurna Khanna, School-Leaving.	Hindi.
15.	Pt. Laxman Vinayak Dandvak, Music.	Music.
16.	Dr. R. V. Phausalkar, L.M.S. (Bom.)	Physiology, Hygiene, etc.
17.	Mrs. S. Sharga, Needle-work ..	Needle-work.
18.	Syed Fasahatullah, Dip. Fine Art, Lucknow.	Drawing.

GOVERNMENT INTERMEDIATE COLLEGE, MORADABAD.

The Government School, Moradabad, was established some seven years after the mutiny.

It remained under Government control up to 1885, and afterwards it was made over to the District Board and it remained under the control of the Board up to June, 1910.

From July, 1910, it again became a Government institution.

In July, 1922, its status was raised to that of an Intermediate College.

The Moradabad citizens and public made a contribution of about a lakh of rupees in cash and property. The cash was deposited with the Treasurer, Charitable Endowments, and the property under the control of the Collector.

The income of the Moradabad High School Endowment is Rs. 4,000 a year.

A hostel with accommodation for 105 boarders is attached to the institution.

INSTRUCTIVE STAFF.

1.	Kishan Chand, B.A., S.C., Principal	English, X to XII.
2.	Jitendra Nath Banerji, M.A., C.T., Vice-Principal.	English, XI and XII; Logic, XII.
3.	Niranjan Lal Tayal, M.A., B.Sc. ..	Mathematics, XI and XII.
4.	Umed Ali, M.Sc.	Chemistry, XI and XII; Science, IX.
5.	Arun Prakash Banerji, M.A. ..	History, X to XII.
6.	Lalit Mohan Pramanick, M.Sc., L.T.	Physics, X to XII.
7.	Jagan Prasad Gupta, B.A., C.T. ..	English and Mathematics, IX.
8.	Jai Dutt Sodha, M.A., B.Sc., L.T. ..	Mathematics, IX and X.
9.	Mool Chand Sharma, B.A., L.T. ..	Mathematics, IX and X; English, IX.
10.	Sri Ram Mathur, B.A., L.T. ..	English, X.
11.	Jawahar Lal Gupta, B.A., L.T. ..	History, IX.
12.	Hari Mohan, B.A., L.T... ..	Geography, IX and X; Logic, XI.
13.	Zahir Ahsan, B.A., C.T. ..	English, X.
14.	Vishnu Das Chaturvedi ..	English, XI; History, IX.
15.	Riasat Ali Khan, B.A., L.T. ..	History, IX and X.
16.	Tajendra Chandra Roy, B.Sc., L.T.	Science, X.
17.	Bhagat Singh Khalsa (has passed the Highest examination of Mayo School of Arts, Lahore and Senior Drawing Masters' Certificate Examination).	Drawing, IX and X.
18.	Fida Husain Khan, Munshi Fazil, Maulvi Fazil, Matric (Punjab).	Persian and Arabic, XI and XII; Urdu, X.
19.	Gopal Dat Pant, Sahityacharya, Shastri and Matric.	Hindi, IX; Sanskrit, XI and XII.
20.	Lalmani Sharma, Visharad (Punjab)	Sanskrit and Hindi, X.
21.	Mushtaq Ahmad, Munshi Fazil and Matric. (Punjab).	Persian and Urdu, X.

GOVERNMENT INTERMEDIATE COLLEGE, ALLAHABAD.

The old Government High School was raised to the standard of an Intermediate College in 1922. Mr. O. J. Gardener, M.A., I.E.S., was the first Principal. Provision was made for the teaching of the following subjects in the Intermediate classes:—History, Logic, Sanskrit, Persian, Arabic, Mathematics, Physics and Chemistry. Biology was introduced in 1923. As the proposed College building has not yet been constructed the Intermediate classes at present meet in the building which was meant for

the junior classes of the old Government High School. There are two sections each in classes IX to XII with a total enrolment of 248 students.

INSTRUCTIVE STAFF.

1.	W. G. P. Wall, M.SC., I.E.S., Principal.	On special duty.
	R. N. Kaul, M.A., L.T., Offg. Principal.	History, XII and XI.
2.	Qazi Khurshed Ahmad, M.SC. (Allahabad), Vice-Principal.	Mathematics, XII to X.
3.	S. D. Malaviya, M.SC. (Allahabad)	Chemistry, XII to X.
4.	M. H. Naqvi, M.A. (Allahabad) ..	History and Logic, XII and XI.
5.	R. K. Wahal, M.SC. (Allahabad) ..	Physics, XII to X.
6.	P. N. Bhattacharya, M.A. (Allahabad).	English, XII and XI.
7.	M. P. Chatterji, M.SC., L.T. (Allahabad).	Biology, XII and XI.
8.	R. A. Khan, M.A. (Allahabad) ..	Economics, XI; English, XII and XI.
9.	G. C. Chaudhari, M.A. L.T. (Allahabad).	English, XII and XI.
10.	P. Clement, M.A., L.T. (Allahabad), (on transfer to the Training College, Agra).	Geography, X and IX; English, IX.
	Manjari Gopal Banerji, Offg. ..	Physics, XII, XI and IX.
11.	H. Drummond, B.A., L.T. (Allahabad).	History, IX and X.
12.	P. K. Banerji, B.A., L.T. (Allahabad)	English, X and IX.
13.	Bishambher Datt, B.A., L.T. (Allahabad)	Mathematics, X and IX; English, X.
14.	D. P. Mushran, B.A., L.T. (Allahabad).	English, IX.
15.	Nisar Ahmad,, B.A., L.T. (Allahabad)	English and History,, X and IX.
16.	L. P. Srivastava, B.A., L.T. (Allahabad).	Geography, X and IX.
17.	S. B. L. Varma, B.A., L.T. (Allahabad).	Mathematics, X and IX.
18.	K. N. Sukul, B.SC., L.T. (Allahabad)	Chemistry, XII, XI and IX.
19.	H. P. Mathur, Matric., (Holder of diploma and medal in photo mechanics, Thomason Engineering College, Roorkee.)	Drawing, X and IX.

20.	L. M. Chatterji, S.L.C., M.T.C. (Allahabad).	Manual Training, X and IX
21.	R. K. Kaul, Shastri (Calcutta) ..	Sanskrit, XII and XI; Hindi, IX.
22.	Nand Prasad Shastri, (Madhyama Parikchha and three parts of Acharya.)	Hindi, IX.
23.	Durga Datt Sharma (four parts of Acharya, Sanskrit College, Benares.)	Sanskrit, IX.
24.	Krishna Nand Misra, (Madhyama Parikchha and three parts of Acharya.)	Sanskrit, X.
25.	Mohd. Isa, Inter., C. T. (Allahabad).	Arabic, XII; Persian, XI.
26.	Jalaluddin Ahmad Jafri ..	Persian, XII and XI; Arabic, XI; and Urdu, X.
27.	Abdul Hafiz	Arabic, X; Persian, IX; and Urdu, IX.
28.	Siraiul Haq, Inter. (Allahabad), Mulla Fazil Examination.	Persian, X Arabic, IX.

GOVERNMENT INTERMEDIATE COLLEGE, ETAWAH.

The beginnings of the institution were laid as far back as 1856, when Mr. A. O Hume, the then Collector, started a school in the old city. The outbreak of the Mutiny retarded its progress for a time but after the storm was over the zeal and earnestness of the founder enlisted the sympathy of a large section of the local gentry and the school was soon in a flourishing condition. The Zilla School, under the name of the Hume High School, continued to exist with varying fortune, till with a change in the policy of Government the institution was turned into a Government High School. After about a decade the old building and the Library were acquired by the authorities of the Sanatan Dharam High School, and the Government High School was located in a new building, built according to the approved model near the railway station. The school was raised to the status of an Intermediate College in 1922, under the management and control of the Government.

The rates of fees, etc., are the same as in other Government Intermediate Colleges.

In addition to the scholarships granted by the Government there are a few local scholarships and prizes detailed as follows :—

1. S. C. PATHAK SCHOLARSHIPS.

The income received from the endowment is expended in awarding annually two scholarships of the value of Rs. 4 per mensem each, and one

of the value of Rs. 6 per mensem tenable for one year by students under 18 years of age of classes VIII to X, preference being given to those who are poor and *bona fide* residents of the town or the district.

2. Hume Scholarships.

The income derived from the endowment, invested by Mr. A. O. Hume, is spent on four scholarships of the value of Rs. 6 each. Two of the scholarships are awarded for proficiency in English and two for proficiency in Mathematics to scholars who are below 14 years of age.

3. District Board Scholarhips.

There are four scholarships of the value of Rs. 2 each to be awarded to the most eligible boarders, who are the residents of the district.

4. Tonk Prize.

A sum of Rs. 40, the interest yielded by the endowment of the Nawab of Tonk is divided between the two best students in Mathematics in classes IX and X.

5. Demello Prize.

A prize of Rs. 40 is awarded annually to the best student of class X.

There are three hostels attached to the College with accommodation for about 130 scholars. One of the hostels is reserved for a particular class of Rajputs, who live rent-free and enjoy other concessions as well.

Instructive Staff.

1.	Anil Nath Ghosh, M.SC., Principal	Chemistry Organic, XII.
2.	Sudhir Kumar Ghosh, M.SC., Vice-Principal.	Physics, XII to X.
3.	Jagadish Prasanna Mukerji, M.SC., L.T.	Mathematics, XII and XI.
4.	Mohd. Bashirul Haq Haqqi, M.A., L.T.	English, XII and XI; Logic, XI.
5.	Abani Kumar Sanyal, M.SC. ..	Chemistry, XII to X (Inorganic).
6.	Mirza Najmul Husain, M.A. ..	History, XII and XI; English, XI; and Logic, XII.
7.	Behari Das, M.A., C.T.	History, XA; English and History, IXA.
8.	Lakshmi Narain Varma, B.A., C.T.	English, X.
9.	Krishna Nand Josh, B.A., L.T.	
10.	Lakshmi Narain Saksena, B.SC., L.T. ..	Mathematics, X; Physics, IX.
11.	Chandra Bhushan Awasthi, B.A., L.T.	Geography, XB; English and Geography, IXB.

12.	Gaya Prasad Awasthi, B.SC., L.T.	Chemistry, IX.
13.	Jawahar Lal Dalela, Inter., C.T. ..	Mathematics, IX.
14.	Ram Sahai Misra (Acharya 5 parts.)	Sanskrit, XII to IX.
15.	Muhammad Husain, Inter. Munshi Fazil and Maulvi Fazil, Trained.	Persian, XII to IX.
16.	Narain Dutt Tripathi Shastri, 3 parts of Sahitya (Acharya) Kabyatirtha and Bishariad.	Hindi, XB and IXB.
17.	Mata Din Tripathi, 1st year Sahitya Acharya, Madhyama Pariksha.	Hindi, XA and IXA.
18.	Mahesh Chand	Drawing, IX.
19.	Rajendra Prasad Srivastav (Passed Industrial Apprentice and Drawing class Examination).	Drawing, X.
20.	Mohd. Hasan, Inter., V.T.C., Munshi Fazil and High Proficiency in Urdu.	Urdu, X and IX.

GOVERNMENT INTERMEDIATE COLLEGE, JHANSI.

The College was opened in the year 1921 as a result of the recommendations of the Sadler Commission on the Calcutta University. It is situated on the Gwalior Road at a distance of a mile and-a-half from the heart of the city in an open place. The building consists of two big blocks with quadrangles in the middle. These blocks are joined to each other by the hall. One of these blocks was constructed for the junior classes III to VIII, while the other for classes IX to XII—the new type of Intermediate College. The two blocks have sufficient accommodation in them for opening double sections in all the classes. A little to the west of the College building is a workshop for the Manual Training Classes which unfortunately could not so far be started for want of funds.

The College has within its compound two hostels with quarters for the superintendents in each, one for the junior and the other for the senior students with a total accommodation of ninety boarders in both. There are extensive play-grounds although not yet properly laid out. The whole building was constructed at a cost of Rs. 5,05,000.

The College is wholly maintained by Government.

INSTRUCTIVE STAFF.

1.	Anil Nath Ghosh, M.SC. (Allahabad) Offg. Principal.	Science (Chemistry), IX and X.
2.	Mirza Abdul Hai Beg, M.A. (Allahabad). Offg. Vice-Principal.	English, XII, XI and XB.

3.	Vithal Jaikrishna Kale, M.A., L. T. (Allahabad).	Mathematics, XII to X.
4.	Ramesh Chandra Banerji, M.Sc. (Allahabad), F.S.C. (London).	Chemistry, XII to IX.
5.	Iftikhar Hussain, M.A., LL.B. (Allahabad).	History, XII and XI; English Translation and Composition, IXB.
6.	Chandra Datta Tiwari, M.Sc., L.T. (Allahabad).	Physics, XII to X.
7.	Abdul Baqa, B.A., L.T. (Allahabad)	English Text and Grammar, IXB; English Translation and Composition, XB; Geography, X and IX.
8.	Hari Pado Roy, B.A., L.T. (Benares)	Logic, XII and XI.
9.	Monindra Kumar Sanyal, B.A., L.T. (Allahabad).	English, XA; and History, X and IXA.
10.	Har Narayan Lal, B.Sc., L.T. (Allahabad).	Mathematics, XB and Science, IX.
11.	Nihal Chandra Mathur, B.Sc., L.T. (Allahabad).	Mathematics, IX.
12.	Babu Shastri Bhave, Acharya 5 pts. in Dharma Shastra, 1 pt. in Sahitya and 1 pt. in Vyakarana of B.S.C.E., Trained as Language Teacher.	Sanskrit, XII to X. and Hindi, X.
13.	Mirza Ali Ahmad, Maulvi and Munshi of the Punjab, Mulla of Allahabad, Trained at T. C., Lucknow.	Persian XII, XI and IX.
14.	Ayodhya Prashad, B.A. (Allahabad) C. T. (Agra.)	English, IXA and History, IXB.
15.	Venkat Rao Gopal Telang, III Standard Mayo School of Arts, Lahore.	Drawing, X and IX.
16.	Kedar Nath Tripathi, Madhyama in Vyakarana and Acharya in 5 parts of Benares.	Hindi, IX and X.
17.	Abdul Lateef Khan, Munshi Fazil (Punjab), Honours in Persian.	Urdu, XII to X, and Persian, X.
18.	Prem Vallabh Pant, Acharya in Sahitya of Benares, Shastri of the Punjab, Vyakarana Tirth of Calcutta, Ratna Degree of Baroda, Madhya in Nyaya of Cal-	Hindi, XII, XI and IX; Sanskrit, IX.

cutta, V. F. E., of U. P. and Intermediate (English) of U. P. Board.

19. Riaz Ali Fazil (Allahabad) .. Urdu, IX.

QUEEN'S INTERMEDIATE COLLEGE, BENARES.

The Queen's College, Benares, is now an Intermediate College affiliated to the Board of High School and Intermediate Education, United Provinces. But before 1922 it was a first grade College affiliated to the Allahabad University in Arts and Science. It is maintained by Government, and is under the control of the Education department. The tuition fees vary from Rs. 6-8-0 to Re. 1. Government scholarships are awarded according to the results of the Board's examinations. There are also local scholarships, amounting to about Rs. 100 per mensem.

INSTRUCTIVE STAFF.

1.	B. Sanjiva Rao, B.A. (Cantab), Principal.	English Text, XI B; General English, XII.
2.	Chandi Prasad, M.A. (Mathematics), B.Sc. (Allahabad).	Physics, XI and XII.
3.	Ali Ameer, B.A., 1st Class, Gold Medallist of the Allahabad University. M.A. (Eng.), LL.B. (Allahabad).	English Text, XI, Arts, XII; Arts and Science, and Logic, XII.
4.	Beni Madho Singh, M.A. (Mathematics, 1st Class, (Benares), B.Sc. (Allahabad).	Mathematics, X to XII.
5.	Shantimoy Banerji, M.A., L.T. (Allahabad).	History, XI and XII; Logic, XI, and General English, XII Arts (Section B).
6.	Panna Lal Loiwal, M.Sc. (Zoology) (Allahabad).	Biology, XI and XII.
7.	Moti Lal Jaini, M.A. (Economics), C. T. (Lucknow).	Economics, XI and XII; English Text, XB; General English, XII Arts (Section A).
8.	Amba Dutta Chaudhri, M.Sc. (Allahabad).	Chemistry, XI and XII.
9.	M. M. Pandit Lakshman Shastri Tailung (Sahityacharya, Benares).	Sanskrit, IX to XII.
10.	Hari Mangal Misra, M.A. (Sanskrit), C. T. (Allahabad).	Hindi, IX, to XII.
11.	Himayutul Hasan, M.A. (Previous) in Persian, B.A. (Allahabad).	Persian and Arabic, XI and XII.

12.	N. D. Banerji, B.Sc., L.T. (Allahabad).	Science, IX and X.
13.	Bindesri Lal, B.A., L.T. (Allahabad)	English translation and Dictation, etc., XB; Dictation etc., IXA; Mathematics, IX.
14.	Manni Lal, M.A., Pre. Sans., B.A., L.T. (Allahabad).	General English, XA; English Text, IXB; Geography, IX and X.
15.	P. Banerji, B.A., L.T. (Allahabad)..	English Text, X; General English, IXB and XIB; History, X.
16.	G. L. Sinha, B.Sc., L.T. (Allahabad)	Practical Science, XI and XII.
17.	S. C. Kapoor, M.A., L.T. (Allahabad)	General English, XIA; History, IX and X.
18.	D. N. Tripathi, B.A., L.T. (Allahabad).	General English, IXA.
19.	A. H. Siddiqi, Mulla and Fazil (Allahabad).	Persian and Urdu, IX and X.
20.	Nanak Chand, Final Drawing Mastership Ex., Indian Arts School (Calcutta).	Drawing, IX and X.

GOVERNMENT INTERMEDIATE COLLEGE, ALMORA.

The College was started in July, 1921, by adding Intermediate classes to the Government High School. A scheme for building an Intermediate College on a new site fell through for want of funds, and the College is still housed in the buildings of the Government High School. It is hoped that a new Junior school will be begun next year. The following subjects are taught:—

Mathematics, Physics, Chemistry, Sanskrit, Persian, Arabic, History, Logic and Economics.

Instructive Staff.

1.	Naipal Singh, B.A. (Oxon.), Principal	English History, XI; Eng. Com., XII; Eng. Rapid Reading, XA and X B.
2.	Prakash Chandra Mukerji, M.Sc. (Allahabad), Vice-Principal.	Chemistry, XI and XII; English Dictation, XB.
3.	Padma Dat Pant, M.Sc. (Allahabad)	Physics, XI and XII; Science, X.
4.	Kunwar Krishna Sukhia, M.A., LL.B., L.T. (Allahabad).	English Text, XII, XI and XB; Eng. Translation, XII; English Unseen, XII.

5.	Sham Bahadur Mathur, M.A. (Lucknow).	Mathematics, XII, XI and XB.
6.	Mukhatar Husain Naqavi, M.A., L.T. (Allahabad).	History, XII and XA; In. Hist., XI; Eng. Unseen, IXB.; Eng. Rapid Reading, IXA; English Composition, XI.
7.	Ram Narayan Gupta, M.A. (Allahabad).	Economics, XII and XI; English Unseen, IXA; Eng. Text, IXA English Translation, XI; English Dictation, XA and IXA; Eng. Grammar, IXA.
8.	Hari Ram Tripathi, B.A., L.T. (Allahabad).	English Text, Rapid Reading, IXB; Eng. Translation, Composition and Unseen, XA.
9.	Hari Ram Joshi, B.A., L.T. (Allahabad).	Mathematics and English Text, XA; Eng. Translation, IX.
10.	Govind Ballabh Pande, M.A., L.T. (Allahabad).	Logic, XII and XI; Eng. Com., IXA and IXB; Eng. Translation and Dictation, IXB; History, XB.
11.	Lakshmi Dat Pant, B.A., L.T. (Allahabad).	English Composition, IXA; Science Practical, IX.
12.	Harish Chandra Pant, B.Sc., L.T. (Allahabad).	Mathematics, IXA and IXB; Science, IX; Sc. Practical, X.
13.	Lakshmi Dat Tiwari, M.A., L.T. (Allahabad).	History, IXA and IXB; English Translation, Comp. and Unseen, XB.
14.	Manorath Pande, Jyotishacharya (Benares), Kavya Tirtha (Calcutta), Matric.	Sanskrit, XI and XII.
15.	Ghananand Bhatt, Matric., C.T., Teacher's Senior Examination in Drawing (Lahore).	Drawing, XA and XB.
16.	Ram Lal Varma, Lithographic Examination (Lahore), Teacher's Examination (Calcutta).	Drawing, IX.
17.	Vishnu Dat, Madyama; 4th year of Sahitya Acharya (Benares), Honours in Sanskrit (Punjab), Intermediate in English (Punjab).	Hindi, IXA and IXB; Sanskrit, IX.
18.	Mohammad Iftikhar, Fazil (Allahabad).	Persian, XI and XII; Urdu, X.

19. Mohammad Yahya Abidi, Fazil (Allahabad). Urdu, IX.

20. Lokmani Joshi, Khand Acharya (Sahitya), Advanced Hindi. Sanskrit, X; Hindi, XA and XB.

GOVERNMENT JUBILEE INTERMEDIATE COLLEGE, LUCKNOW.

This institution was started as an aided High School in 1887 on the occasion of the first Jubilee of the late Queen Victoria. It was taken over by Government on April 1, 1908, and in July, 1922, was raised to the status of an Intermediate College. The options taught in the High section are the three Indian classical languages, Science, Drawing and Commerce, while in the Intermediate section the College is recognized in Mathematics, Chemistry, Physics, Biology, History, Logic, the three Indian classical languages, Economics, Urdu and Hindi.

INSTRUCTIVE STAFF.

1.	Rai Sahib Pandit Kali Prasad, B.A., Principal.	English Grammar, XII, Arts and Science, XI, Arts and Science, XA and XB.
2.	Parmeshwar Dyal, M.Sc. (Allahabad), F.P.S. (London), Vice-Principal.	Physics, XI and XII; Practical Science, X.
3.	B. L. Agarwala, M.A., C.T., LL.B. (Allahabad), M.R.A.S., M.R.H.S., M.R.E.S.	Modern History, XII and XI; Ancient History, XII.
4.	Khawaja Athar Husain, M.A., English (Allahabad), M.A. Prev. in Philosophy (Allahabad).	Logic, XII Arts; English, XII Arts and Science.
5.	P. K. Banerji, M.A. (Lucknow) ..	Economics, XI Arts; XII, Arts; Logic, XI Arts.
6.	Sachchidanand Mittra, M.Sc. (Allahabad).	Mathematics, XI Arts and Science and XII Arts and Science, XA and B.
7.	Narottam Lal, M.Sc. (Lucknow)..	Biology, XI and XII.
8.	B. N. Tandon, M.Sc., L.T. (Allahabad).	Chemistry, XI and XII; Practical Science, IX.
9.	Ali Abbas Husaini, M.A., L.T. (Allahabad).	History, XA, IXA and B; English, IXB and XI Science.
10.	J. V. Singh, M.A., L.T. (Allahabad)	Geography, IXA and B, XA and B; English, XI Arts.
11.	J. N. Chowdhry, M.A., B.Sc., L.T...	Practical Physics and Chemistry, XI and XII.

12.	P. G. Banerji, B.Sc., L.T. (Allahabad).	Science, XA and B, IXA and and B; Mathematics, IXA and B.
13.	P. K. Mittra, B.A., L.T. (Allahabad)	English, XI Science and XA; Mathematics, XA and B.
14.	Sankar Sahai, B.A., L.T. (Allahabad).	English, IXA; History, XB.
15.	Jhau Lal Sharma, B.A., L.T. (Allahabad).	Mathematics, IXA and B; English, XB.
16.	Ahmad Husain, Mulla Examination (Allahabad), Maulvi Alim, and Munshi Fazil Examinations, Honours in Persian and additional examination in English (Punjab).	Persian, X to XII.
17.	Ram Dat Avasthi, Shastri of the Punjab, Kavyatirtha (Calcutta), I and II Years Uttama (Benares) Upadhyayas in (1) Dharam Shastra and (2) Sankhya Shastra with English of Bihar and Orissa. Trained as Language Teacher at the Training College, Lucknow. Passed English Optional Examination of Calcutta.	Sanskrit, XI and XII.
18.	Sri Dhar Singh, M.A. (Benares) ..	Hindi, XI Arts, XII Arts, XA and B.
19.	Hamid Ullah Afsor, B.A. (Allahabad).	Urdu, XI and XII; Arts, XA and B.
20.	L. N. Dhaon, Inter., C.T. ..	English, IXB.
21.	Fateh Bahadur, S.L.C. and Matriculation. Passed in special Drawing Course, J. J. School of Arts, Bombay.	Drawing, IX and X.
22.	C. P. Avesthi, E.C.T., V.T.C. I. ..	Hindi, IXA and B.
23.	Bhagwati Prasad Kapur, Inter. ..	Commerce, IXA and B, XA and B.
24.	Khurshed Ali, Trained in Manual Training at T. C., Allahabad.	Manual Training, IXA and B.
25.	Mahabir Acharya, Vyakaran Acharya.	Sanskrit, IXA and B, XA and B.
26.	Akhtar Ali, Maulvi Fazil and Munshi Fazil, Matriculation.	Arabic, XII and XI.

27. Saquib Husain, Mulla Fazil .. Urdu, IXA and B; Persian, IXA and B.
28. Manzurul Haq, Fazil of Allahabad Arabic, XA and B.

GOVERNMENT INTERMEDIATE COLLEGE, FYZABAD.

This institution was founded by the Taluqdars of the district in 1860. It is now entirely maintained by Government and is under the control of the Director of Public Instruction, United Provinces.

Since July, 1921, it has been raised to the standard of an Intermediate College. There are two blocks of buildings: one for School classes comprising classes III to VIII and the other for College classes comprising classes IX to XII. There are two hostels attached to this institution under the supervision of resident teachers.

The following subjects are taught to the Intermediate classes:—(1) Logic, (2) History, (3) Classical Languages (Arabic, Persian and Sanskrit). (4) Mathematics, (5) Biology, (6) Physics and (7) Chemistry.

There are a few local scholarships for students.

INSTRUCTIVE STAFF.

1. Durga Dutta Joshi, B.A., M.Sc., Principal. Science (Tutorial), XA, XB, IXA and B, XII and XI.
2. Harish Chandra Misra, M.A. .. History, XIIA and B, XIA and B, IXA.
3. S. N. Kichlu, M.A., LL.B. .. English, XIIA and B, XIB.
4. U. C. Dutta, M.A., L.T. .. Logic, XIIA and B, XIA and B; Eng., XIA.
5. K. K. Srivastava, M.A. .. Urdu, XIIA and B, XIA and B.
6. K. S. Asthana, M.A. .. Economics, XIIA and B, XIA and B; English, XIB.
7. Jai Ram Avasthi, Shastri .. Sanskrit, XIIA and B, XIA and B and Hindi, XA and B.
8. Hafiz Abdullah, Fazil .. Persian, XIIA and B, XIA and B.
9. Zahid Husain, Fazil .. Arabic, XIA and B, IXA and B.
10. Shambhu Nath Varma, M.A., L.T. English, XIIB; History, IXB.
11. Ehtisham Ali, M. Sc. .. Biology, XII and XI.
12. Shyama Charan Misra, M.Sc., L.T. Physics, XIIB, XIB, IXA and B.
13. Bhabhesh Chandra Banerji, M.Sc. Chemistry, XIIB, XIB, IXA and B.
14. Muket Behari Lal, B.A., B.Sc., C.T. Mathematics, XB.
15. Nath Prasad, B.A., L.T. .. English, XB; History, IXA.

16.	Maharaj Bahadur, M.A., L.T. ..	History, XA and B; English, IXA.
17.	J. N. Mittra, B.A., L.T. ..	English, XA; Mathematics, IXB.
18.	U. P. Mukerji, B.Sc., L.T. ..	Science, XA and B; Mathematics, IXA.
19.	Gangadhar Vishnu Potdar, 1st and 2nd grade Examination, School of Arts, Bombay.	Drawing (Pastel), X and IX.
20.	Jokhan Ram Misra, 1st Part Achariya Benares).	Sanskrit, X.
21.	Faiyaz Ahmad, Mullah ..	Persian, X.
22.	Lakshman Swarup Vidyarthi, C.D., C.T.	Commerce, X and IX.
23.	Panchanan Chatterji, B.A., L.T. ..	History, X and Geography, IX.
24.	Shankar Dutta Malviya, B.A., L.T.	Geography, X; English, IXB.
25.	Nolini Mohan Banerji, Arts and Crafts, Lucknow.	Drawing (Geom.), X and IX.
26.	Abdul Ali, Fazl	Urdu, IX and X; Persian, IX.
27.	Maheshwar Prasad, Shashtri ..	Hindi, IX.
28.	Rama Kant Shukla, Madhyama ..	Sanskrit, IX.

SANATAN DHARMA COLLEGE OF COMMERCE, CAWNPORE.

The College owes its origin mainly to the liberality and public-spiritedness of the mercantile community of Cawnpore, European as well as Indian.

The foundation stone of the College building was laid by His Excellency Sir Harcourt Butler on March 1, 1920. The College, opened on July 16, 1921, within a period of seven years has developed into a first grade College.

The College is housed in a magnificent building overlooking the Ganges. The hostels are situated close to the College and provide accommodation for about 250 students.

The annual maintenance expenditure during the year 1928-29 amounted to about Rs. 65,223-8-6, of this amount Rs. 36,742 were contributed by the Government and the balance was met from fees and income from the Endowment Fund.

The Management of the Institution is in the hands of a Board of Management consisting of 25 members.

The College is affiliated to the Agra University, and imparts instructions leading to the B. Com. Degree; the M.A. Degree in Economics, Sanskrit, Hindi and English; the B.A. Degree in English, Economics, History, Sanskrit, Hindi and Mathematics; and the LL.B. Degree. The College is also recognized by the Board of High School and Intermediate Education, United Provinces, for the Commercial Diploma Examination.

Religious and moral instructions in accordance with the Sanatana Dharma lines is provided for Hindu students in addition to the secular education required for the various University and Intermediate Board's Examinations.

The number of students on the College Rolls in 1928-29 was 300, of which 116 were in the Commercial Diploma classes.

The College maintains an up to date reading room to which a large number of important newspapers and magazines are subscribed. The Library contains about 4,000 books, of which about 500 are Hindi books.

A Commercial Museum was established four years back and is attached to the Geography department of the College.

Several associations are run by the students of the College, the chief among which are the S. D. College Union, the C. D. Literary Association, and Sanskrit Association.

In the College athletics, as far as possible, every student takes part in one game or another. The College maintains almost all games, both Indian and European.

The health of the students is looked after by a regular medical officer with the assistance of a whole-time Compounder in charge of the College Dispensary.

Besides the Government scholarships, a large number of stipends and scholarships provided by public bodies and friends and sympathisers of the College are available to the students of the College. In 1928-29, 61 scholarships, 35 freeships and 34 half-freeships were given to the students of the College.

A Poor Boys' Fund, collections for which are made by the Staff and students, is also maintained for the help of poor and deserving students.

INSTRUCTIVE STAFF.

1.	P. Seshadri, M.A. (Eng.), lately Head of the Department of English Studies, Benares Hindu University.	Principal and Professor of English.
2.	B. N. Chopra, A.I.S.A., L.A.A., F.R.E.S., Associated Accountant, and Incorporated Secretary (London).	Vice-Principal and Professor of Accountancy.
3.	K. L. Govil, B. Com. (Allahabad), M.A. Prev. (Agra).	Professor of Business Methods and Commercial English.
4.	G. S. Sharma, B. Com. (Allahabad) F.C.I., C.T., G.D.A.	Lecturer in Accountancy.
5.	B. N. Sharma, B.A. (Hons.), L.T. ..	Lecturer in English.
6.	K. K. Sharma, M.A., B. Com. ..	Lecturer in Commerce.
7.	D. P. Mehrotra, B. Com. (Allahabad), M.A. Previous (Agra).	Lecturer in Economics.

8. Bhagwati Prasad Gupta, M.A. (Agra), B. Com. (Allahabad). Lecturer in Shorthand and Geography.
9. Tilak Singh Kushwaha, B. Com. (Agra), LL.B. Previous. Lecturer in Geography and Typewriting Instructor.

AGRICULTURAL INSTITUTE, NAINI, ALLAHABAD.

The Agricultural Institute was founded in 1912, in the belief that the improvement of Indian agriculture is fundamental to all material and spiritual progress. In particular the Institute has emphasized the training of scientific agriculturists, rather than agricultural scientists. It has striven to prepare its students to take their places as farmers, on their own land or for others, and as teachers, either in schools or in the Agricultural services. Many have been successfully engaged in such work.

Following the purchase in 1912 of 275 acres considerable progress has been made in improving the land and in erecting the necessary buildings. A gift has been received which is making possible the extention of the farm to 1,000 acres. On the farm the students actually carry on farming operations, while in the class rooms and scientific laboratories they learn the theory which governs the practice.

Students have come from all over India, from Kashmir to Assam, and even from Mesopotamia and the Fiji Islands. A number have been sent here by Indian States and others by several missions. Believing that students who complete the course satisfactorily should receive a diploma recognized by the Government the Institute has brought to the attention of the educational authorities the need for an agricultural course. In this it has now been successful.

In January, 1925, the Minister of Education approved the action of the Board of High School and Intermediate Education in instituting a diploma course in agriculture.

This course is of Intermediate College rank, on the analogy of the Diploma in Commerce, and is designed to prepare students for the Degree Course in agriculture as well as to fit them to manage farms or to teach agriculture in lower schools. The Board of High School and Intermediate Education, United Provinces, has granted provisional recognition to the Allahabad Agricultural Institute to prepare students for the Agricultural Diploma Examination up to the Examination of 1930.

The Dairy department has always played an important part in the Institute. It was thus particularly gratifying when the Institute was invited to teach to the newly-sanctioned Indian National Diploma in Dairying. This course prepares men to manage private dairies or to enter Government dairy service.

Because of the increasing demand for teachers of agriculture and for teachers in rural schools adapted to the needs of the community, the In-

stitute opened in July, 1923, the Rural Teachers' Training Course. In connexion with this course a rural community school has been opened, which affords an opportunity for the students in the training course to observe methods and to teach under supervision.

INSTRUCTIVE STAFF.

1.	Dr. Sam Higginbottom, M.A., D. Philan. (Princeton University); B.Sc. in Agr. (Ohio State University); M.Sc., (Amherst College), Principal.	Economics.
2.	W. Brewster Hayes, B.Sc. in Agr. (Oregon State Agricultural College.) (*On furlough*).	Horticulture.
3.	Mason Vaugh, B.Sc. in Engineering, B.Sc., in Agriculture, A. E. (University of Missouri). Vice-Principal	Department of Agricultural Engineering.
4.	Ira A. Hatch, Cornell University ..	Farm Manager.
5.	Adin P. Brooks, A. B. (Colorado College), M.Sc., (George Washington University).	Department of Chemistry.
6.	Dr. H. G. Kribs, Ph.D. (Pennsylvania). (*On furlough*),	Biology.
7.	Wilmer J. Hansen, B.Sc. in Agr., (University of Manitoba), M.Sc. (University of Minnesota).	Animal Husbandry and Dairying.
8.	D. Haldar, L.M.E. (Benares Hindu University).	Agricultural Engineering.
9.	Bransley M. Pugh, B.Sc. (Calcutta University), B.Sc. in Agr. (University of California).	Agronomy.
10.	N. D. R. Joshi, I.D.D. (Allahabad)..	Dairying.
11.	I. D. Caleb, M.Sc. (Allahabad University).	Zoology and Chemistry.
12.	I. A. Jordan, B.A. (Allahabad University).	English.
13.	C. P. Dutt, M.Sc. in Agr. (University of California).	Physics.
14.	S. K. Roy, Dip. in Agr. (Allahabad)	Asst. Farm Manager.
15.	S. R. Misra, Intermediate Dip, in Agr. (Allahabad).	Field Accountant.

AGRICULTURAL COLLEGE, CAWNPORE.

In 1893 a small school was started near the present site of the Agricultural College with the object of training selected men as kanungoes under the Department of Revenue, United Provinces. Agriculture then formed a very small part of the training imparted. In 1906 the school course of two years was elaborated to a three years' course and the school raised to the status of a College. From 1906 to 1913 the College Diploma was a qualification for entry into the Subordinate Agricultural Service of the United Provinces and the grade of supervisor kanungo in the revenue service. In the autumn of the latter year a school was re-opened for the training of kanungoes; and a scheme for the re-organization of the College was promulgated. This re-organization came into force in October, 1914. Under this order the management of the college is vested in a governing body which deals with admissions, fees, grants of stipends, the curriculum of the College, holidays and such other matters of internal administration as may be put before it.

Three courses are now given. The first of these is one of two years' duration terminating in the Agricultural Diploma Examination of the Board of High School and Intermediate Education; the second a four years' course terminating in the College Diploma of Licentiate in Agriculture; and the third a two years' course in the Vernacular which is mainly practical in character.

The qualification for admission to the first two courses is the High School Certificate or a certificate of equivalent standing. For the Vernacular Course no special educational qualifications are demanded, but candidates must be able to read and write the Vernacular fluently, preference being given to such as have reached the standard of the Vernacular Final or Middle standard in an English school.

INSTRUCTIVE STAFF.

1.	C. Maya Das, M.A., B.Sc. (Edin.), I.A.S.,	Principal and Professor of Agriculture.
2.	Khwaja Nafees Hasan, L.Ag. ..	Lecturer in Agriculture.
3.	M. Wasiullah Khan, L.Ag., M.R.A.S.	Ditto.
4.	H. C. Verma, I.D.D.	Lecturer in Dairying and Animal Husbandry.
5.	Khalil Ahmad, B.A., LL.B. ..	Lecturer in English.
6.	Nanak Chand, Veterinary Assistant Surgeon.	Lecturer in Veterinary Science.
7.	Hansraj Singh (qualified in Roorkee).	Lecturer in Agricultural Engineering.
8.	H. N. Batham, M.A.	Inorganic Chemistry, 1 year. Head of (and supervision of Practicals) Section.

9.	G. R. Saxena, B.A. ..	.. Organic and Inorganic Chemistry, II year. Chemistry Practicals, I and II year.
10.	T. R. Goel, L.Ag. ..	.. Chemistry Practicals, I and II year.
11.	S. N. Chatterji, M.Sc.	.. Physics (Theory and Practs.), I and II year; Mathematics, I year.
12.	Shripal Singh, B.Sc. (M.A., Previous).	Physics Practicals, I and II year.
13.	T. S. Sabnis, B.A. (Hons.), M.Sc. ..	(Head of the Botany, Zoology, Biology, Botany and Horticulture section).
14.	R. V. Damle, B.A. ..	.. Botany.
15.	M. G. Phatak, L.Ag. (Bombay)	.. Botany.
16.	V. N. Sane, B. Ag. ..	.. Horticulture.
17.	D. S. Chowdhry, M.Sc.	.. Zoology.

GOVERNMENT COLLEGE, AJMER.

In 1836 a Government School was started in Ajmer, but it received small encouragement. It was, therefore, closed for a number of years until 1851, when it was re-established on a sounder basis under the sanction of the Hon'ble the Court of Directors. From 1861 the institution was affiliated to the Calcutta University, first preparing students for the F. A. and later on from 1868, when a larger staff and a more commodious building were provided, for the B. A. of that University. The College was affiliated to the University of Allahabad in the year 1888. Up to 1912 the High School and the College were accommodated in the same buildings but in October of that year the College was separated, and equipment provided for the teaching of Science to the B.Sc. standard. The Intermediate classes now prepare for the examination of the Board of High School and Intermediate Education, United Provinces. The College is now in a flourishing condition and the number of students continues steadily to increase. The subjects taught are English, History, Economics, Logic, Persian, Sanskrit, Mathematics, Physics and Chemistry.

The College is maintained by the Government of India.

The fees are the same as in the Colleges of the United Provinces.

Scholarships.—A sum of Rs. 1,220, derived partly from contributions and endowment, is annually distributed in scholarships, some tenable for two years, others for one year only.

Medals.—The Sir Elliot Colvin and the Col. Pinhey medals are awarded annually to graduates for superior excellence in work and games.

Attached to the College are comfortable boarding-houses and good play-grounds. Every student is required to join in games unless exempted on medical advice.

INSTRUCTIVE STAFF.

1.	A. Miller, M.A., (St. Andrews) ..	Principal.
2.	Hari Prasad, B.A. (Punjab), B.Sc. (Manchester), Vice-Principal.	Chemistry, XI and XII (Theory and Practical).
3.	Bishamber Pershad Mathur, M.Sc. (Allahabad.)	Mathematics, XI and XII.
4.	Lalji Srivastava, M.Sc. (Allahabad)	Physics, XI and XII (Theory and Practical, XI).
5.	K. S. Mankar, M.A. (Oxon) ..	Economics, XI and XII.
6.	Bhav Datt Shastri	Sanskrit, XI and XII.
7.	Hamidullah Khan Usafzai ..	Persian, XI and XII.
8.	Shiv Shankar Mathur, M.A. (Delhi)	English, XI and XII.
9.	Karam Ghani Khan, M.A., L.T. (Allahabad).	History, XI and XII.
10.	Deoki Nandan Sharma, M.A., LL.B. (Allahabad).	Logic and Eng. Com., XI and XII.
11.	Shri Narain Mathur, B.Sc. (Allahabad).	Chemistry, XI (Theory and Practical) and XII (Practical).
12.	Raj Kishore, M.Sc. (Benares), B.Sc., L.T. (Allahabad).	Physics, XI and XII (Theory and Practical).

MAHARAJA'S INTERMEDIATE COLLEGE, JAIPUR.

Maharaja's College, which is perhaps the oldest institution in Rajputana, was founded in 1844, and in the beginning was affiliated to the University of Calcutta. In 1887 it was affiliated to the University of Allahabad. In pursuance of section 7(5) of the Allahabad University Act, 1921, the Jaipur Darbar separated the Intermediate classes from the Degree classes in the year 1923.

This is a free institution and no tuition fee is charged from the pupils. As many as 22 scholarships are awarded to the students of which ten are merit scholarships of Rs. 8 per month and 12 are local scholarships of Rs. 5 per month which are awarded to poor students of the State. The college comprises classes both in Arts and Science. There are attached to it a library, a laboratory, and gymnasium. The "Glancy" gold medal is also awarded to the boy who stands first in order of merit at the Intermediate Examination.

INSTRUCTIVE STAFF.

1.	Panna Lal Mathur, Principal	.. Logic, XI and XII.
2.	N. N. Roy, M.A., E.E.	.. Chemistry Physical, XII.
3.	G. P. Srivastava, B.A.	.. English, Special and General, XI and XII.
4.	S. S. Jain, M.A. ..	.. Ditto.
5.	V. V. Tamhankar, B.A.	.. Economics, XI and XII.
6.	Girja Dayal, M.A., LL.B.	.. Logic and Economis, XI and XII.
7.	Hami Uddin Khan, M.A.	.. History, XI and XII; General English, XI.
8.	P. L. Mathur M.A., B.SC.	.. Physics, XII ; Mathematics, XI.
9.	B. B. Gupta, M.SC. ..	.. Biology and Chemistry, XI and XII; Biology, XI.
10.	R. N. Bhargava, M.A., B.SC.	.. Mathematics and Practical Physics, XI and XII.
11.	M. F. Soonawala, M.SC.	.. Physics (Theory), XII.
12.	Altaf Husan ..	.. Urdu and Persian, XI and XII.
13.	Mathura Nath Bhatt ..	.. Hindi and Sanskrit, XI and XII.
14.	N. L. Mukerji, M.SC. ..	.. Chemistry, XII.
15.	S. B. Chaturvedi, M.SC.	.. Botany, Theory, Biology Practical and Chemistry Practical, XI; Biology Practical Chemistry Theory, XII.

BIRLA INTERMEDIATE COLLEGE, PILANI (JAIPUR).

The Birla College was orginally started as a Primary School in January, 1901, by Raja Baldeo Dass Birla and his eldest son Sriyut Seth Jugal Kishore Birla. In 1916 it was recognized by the Jaipur State as an Anglo-Vernacular School. It was first housed in a small building in village Pilani. The present building was erected on the outskrits of the village in 1921. In 1922 it was recognized as a Middle School andl in 1925 as a High School by the United Provinces Board of High School and Intermediate Education. Another block was added in 1928. A Hostel building was added in 1926. In the current year the institution has been raised to the status of an Intermediate College. Mr. G. D. Birla has advanced a large sum of money for the erection of a new College building more commodious than the present.

In the vicinity of the College are situated quarters for the College staff which are rent free. No tuition fees are charged from the students. Stipends are given to deserving poor students, preference being given to residents of the Shekhawati district. Many of the local poor boys are, in addition, given books and clothes free.

The College Library contains over 4,000 volumes and there is a Reading Room which is supplied with five or six daily papers and many important Indian and foreign Periodicals of educational and general interest.

No fee is charged from students for residence in the hostel or for medical aid. Students are helped to make their own messing arrangements in groups as suits them best. A cook, some necessary utensils and a kitchen are provided free to each such group and the cost of messing comes generally to between Rs. 5 and Rs. 8 per boy per month. There is a second hostel attached to the College which provides cheap boarding and lodging for about eighty students of the Jat community.

There are five play-grounds on which hockey, football, cricket and tennis are regularly played. Boys are also encouraged to learn Lathi play and other defence games and there is a regular Medical Examination. There is a splendid Scout's corps consisting of Rovers Scouts and Cubs.

Parliamentary debates, regular fortnightly dramatics, musical concerts, regional survey and co-operative organization are regular features of the institution. The College issues a monthly Magazine of its own, edited and written mostly by the students themselves.

INSTRUCTIVE STAFF.

1.	V. J. Shivdasani, B. com. (Bombay), Certificate of Pedagogical studies (Geneva), Diploma in Education (Leeds), Docteur-es-Lettres, (Montpellier, France), Principal.	English, XI.
2.	S. Pal, M.A. (English), .. B.T., (Calcutta).	English, X and XI.
3.	K. R. Pandya, M.A. (Sanskrit and History), (Allahabad).	History, IX to XI; Sanskrit, XI.
4.	Shri Ram, Visharad (Allahabad), B.Sc. (Allahabad), M.A., (Mathematics) (Agra), LL.B. (Agra).	Mathematics, IX to XI.
5.	T. K. Dutt., M.A., (English) (Calcutta), M.A., (Philosophy)(Dacca).	Logic, XI; English, IX.
6.	S. Karan Pareek, Visharad (Allahabad), M.A., (English) (Benares), M.A., (Hindi) (Benares.)	Hindi, X and XI; English, X and IX.
7.	Anant Deo Tripathi, Vyakaran Acharya.	Sanskrit, IX and XI.
8.	D. N. Abrol, M.Sc., (Geology) (Punjab).	Geography, IX and X.

9.	B. S. Audholia, Visharad (Allahabad), B. Com., (Allahabad), M.A., Previous. (Economics) (Agra).	Book-keeping, IX and X; Business Practice, IX; Hindi, IX.
10.	R. K. Gupta, C. D.	Typewriting, IX and X; Business Practice, X.
11.	G. D. Sharma. (Private Studies)..	Sanskrit, X.

MAHARANA'S INTERMEDIATE COLLEGE, UDAIPUR.

Inspected 9th January, 1924.

Recognised in Arts and Science, 1922.

This College (raised to the Intermediate standard in 1922), maintained entirely by the Darbar, is a free institution, no fees of any kind being charged from the pupils. It now comprises classes IX to XII. Attached to it are a laboratory, a reading room and a library. Some stipends are annually awarded to poor students.

INSTRUCTIVE STAFF.

1.	Kanhaiya Lal Verma, M.A. in English (Allahabad), Principal.	English, XII; English General, XII and XI.
2.	Sateesh Chandra Bose, M.Sc. in Mathematics (Calcutta), Vice-Principal.	Mathematics, XII to X.
3.	Taj Khan Qurban Hussain, M.A., in Applied Mathematics (Punjab).	Physics, XII to IX.
4.	Ram Charan Gupta, M.Sc. in Chemistry (Lucknow).	Chemistry, XII to IX.
5.	Rajendra Nath Roy, M.A., in Philosophy (*on leave*) (Allahabad).	Logic, XII and XI; English, X.
6.	Ashirbadi Lal, B.A. (Hons.), M.A. in History (Lucknow).	History, XII to X.
7.	Shambhu Dayal Jagdhari, M.A. in English (Lucknow).	English, XI and X.
8.	Shankar Sahai Saxena, B. Com. (Allahabad), M.A. in Economics (Agra).	Hindi, XI to IX; Geography, X and IX.
9.	Umrao Singh, M.A., in Economics (Agra).	Economics, XII and XI; History, X and IX.
10.	Imam Uddin Rizvi, B.A. (Benares)	English General, IX; English and Urdu, IX.
11.	Rama Shankar Chhaya, B.A. (Bombay).	English, X and IX; History, IX.

12.	Ram Sunder Shastri, Acharya (Benares), Shastri (Punjab).	Sanskrit, XII to IX; Hindi, X.
13.	Sayed Nazim Uddin, B.A. in Persian and Economics, LL.B. (Allahabad).	Persian, XII to IX; Urdu, X.
14.	Ram Chander Sanadhya, B.Sc. (Allahabad), Demonstrator.	Practical Science, XII to IX.
15.	Pyare Lal Sharma	Drawing, X and IX.

JASWANT COLLEGE, JODHPUR.

The College was founded in 1893. It is maintained entirely by the Jodhpur Darbar.

Ten scholarships of Rs. 90 each, tenable for two years are awarded annually to fresh students joining the College.

An up-to-date laboratory and a well-furnished library are attached to the College.

Games are compulsory for all students. The College provides foot-ball, cricket, volley ball, and tennis grounds and materials. Cadet Corps and Robber Scout troops were started last year.

Besides the usual system of lectures, tutorial classes have been started this year. Every student receives individual attention from his teachers in all the subjects he takes up. The staff has on this account been increased.

INSTRUCTIVE STAFF.

1.	A. P. Cox, M.A., I.E.S., Principal..	English.
2.	P. P. Shahani, M.A., Vice-Principal	Logic and Philosophy.
3.	K. L. Mathur, M.A., B.Sc. ..	Mathematics.
4.	S. B. Tatke, M.A.	Sanskrit.
5.	W. V. Wadhwani, M.A. ..	Economics.
6.	S. D. Arora, M.Sc., L.T. ..	Chemistry.
7.	Dina Nath Bhargav, M.A., L.T. ..	English.
8.	R. K. Tripathi, M.A.	English.
9.	S. S. Shukla, M.A., L.T. ..	English.
10.	P. L. Nag, M.Sc., L.T.	Physics.
11.	Shiv Raj Bahadur, M.Sc. ..	Biology.
12.	H. D. Seth, M.A.	Mathematics.
13.	Abdul Baqui, Molvi Fazil ..	Persian.
14.	K. N. Tewari, M.A.	Hindi.
15.	Hem Raj Gopal Ram, M.A. ..	History.
16.	R. N. Roy, M.A.	Logic.
7.	Nemi Chand Gupta, B. Com. ..	C. D. Class.

HERBERT INTERMEDIATE COLLEGE, KOTAH.

This institution dates back to the year 1874 when it was called the Maharao's High School and was housed in a large but ill-ventilated building in the thickest part of the city. In 1894 another institution called the Nobles' School open only to the nobility of the State, came into existence, and the two institutions ran parallel till June, 1909, when the whole system of Secondary Education in the State was overhauled and the Noble's School was amalgamated with its sister institution and christened "the Herbert High School" in memory of the late Lieut.-Colonel Charles Herbert, C.S.I., Political Agent, Kotah and Jhalawar States (1898—1896). In 1912 it was shifted to the present commodious building outside the city erected at a cost of about three lakhs of rupees. In 1924 it was raised to an Intermediate College and provisionally recognized by the Board of High School and Intermediate Education, United Provinces, for three years in English, Mathematics, Modern History, Economics, Persian, Sanskrit, Physics, and Chemistry. First year class was opened in July, 1924, and second year in July, 1925.

The College has a very decent library, arranged on the "Dewey's Decimal System," and good play-grounds for hockey, football, volley ball, cricket, tennis, and basketball. Games are compulsory for all students and are organized and developed on the lines of Inter-class Tournaments in hockey, football and volley ball, a silver challenge cup being held by the winning team in hockey and volley ball, and a silver challenge shield in football. Two silver medals, called Palaita medals, are awarded every year to the best athletes, one from the Middle department and the other from the High School and College classes.

The Physics and Chemistry laboratories are housed in a separate part of the building and have been equipped with all the necessary up-to-date apparatus and appliances at a cost of Rs. 16,000. There are separate lecture and practical rooms for both subjects and a separate gas installation for the supply of gas to the laboratories.

A sum of Rs. 50 per mensem is earmarked for scholarships, a part of which is distributed every year at the discretion of the Principal, to poor and deserving students as stipends. A sum of Rs. 120 is set apart for prizes to be given away every year to students on the results of the annual examination in important subjects.

The institution is maintained by the State and no tuition fee is charged.

Two boarding houses, both lying in the city, are attached to the institution and provide accommodation for about 100 students. One of them called the Nobles' Boarding House is meant exclusively for the sons of noble and jagirdars and boarders are given food, clothing books, stationery, in fact everything free by the State. The other called the Self-Supporting

Boarding House is meant for the children of the general public who have to pay for their board and lodging, the State providing only accommodation, furniture, and servants.

INSTRUCTIVE STAFF.

1.	Daya Krishna, M.A., LL.B., Principal	English, XII.
2.	Fateh Shanker Dube, M.A., B.Sc. ..	Mathematics, XII, XI, XA and IXA.
3.	Ram Chandra, M.A., L.T. ..	English, XI and XA.
4.	Bhagwan Das Batta, M.Sc., F.C.S.	Chemistry, XII to IX.
5.	Shri Krishna Hari Ekbote, M.Sc. ..	Physics, XII to IX.
6.	Ram Gopal Gupta, M.A., L.T. ..	History, XII to X; Civics, XI.
7.	Girdhari Lal Khullar, M.A. ..	Economics, XII and XI; Civics, XII; History, IX.
8.	Jagannath Singh Mehra, M.A. ..	Logic, XII and XI; English, IXA.
9.	Phul Singh Raghuvanshi, M.A., LL.B.	Mathematics, XB and IX.
10.	Hari Narain, B.A.	English, XB and IXB.
11.	Jwala Prasad, Kavya Tirth, Honours in Hindi, F.A., in English, Shastri.	Sanskrit, XII to X; Hindi, X.
12.	Mohammad Ali, Munshi Fazil, Matriculate in English.	Persian, XII to IX.
13.	Bal Mukand, B.Sc.	Demonstrator.
14.	Madan Mohan, B.Sc.	Ditto.
15.	Mohammad Ibrahim, Munshi Fazil	Urdu, X and IX.
16.	N. G. Nabar, I, II, III Grade Drawing passed (School of Arts, Bombay).	Drawing, X and IX.

DUNGAR INTERMEDIATE COLLEGE, BIKANER.

This College is named after His late Highness Maharajah Sri Dungar Singhji. The school formerly, known as the Darbar High School, was the first institution in the State where the teaching of English was introduced. The first batch of students for the Entrance Examination was sent up in the year 1896. Since the assumption of full powers by Major-General His Highness Maharajah Sri Sir Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., A.D.C., LL.D., in 1898 the School, along with other departments of the State, has been making rapid progress in every branch of its activities. In 1912, on the occasion of the Silver Jubilee of His Highness the Maharajah, this institution was experimentally raised to the status of a College and was named the Dungar College. The opening ceremony of the present building, which is a magnificent structure of red sand stone designed by Sir Swinton Jacob, was also performed

in the same year. It is situated just outside the city wall near the Railway Station. Attached to the College are extensive play-grounds. The College classes had however to be stopped on account of the War and His Highness' munificent contribution to the Hindu University was sufficient to maintain the boys of College classes at Benares on stipends.

With the rise of the number of boys in the High School classes it was decided to start regular College classes and consequently the College has been raised to Intermediate standard in 1928; and is affiliated in Mathematics, History, Logic, Hindi, Sanskrit and Economics in Intermediate classes and Science, Drawing, History, Geography, Hindi, Sanskrit, Persian and Urdu in High School classes.

Education is entirely free and there is a Boarding House attached to the college.

There is a provision of Rs. 1,3 per annum for scholarships and several medals and prizes are given for proficiency in study and sports by His Highness the Maharajah and the Maharaj Kumar Sahib.

INSTRUCTIVE STAFF.

1.	Sri Ram Tiwarey, M.A., L.T. (specialised in Mathamatics and M.T.)	Principal.
2.	Tarak Nath Mukerjea, B.Sc., L.T. (specialized in Science) ..	Vice-Principal.
3.	P. K. Goswami, M.A., LL.B. ..	Lecturer in English.
4.	Dashrath Sharma, M.A. ..	Lecturer in History.
5.	Ram Ratan Agarwala, M.A. ..	Lecturer in Philosophy.
6.	Shyam Sundar Shukla, M.A., L.T., F.R.E.S. (London) (specialized in History.)	Lecturer in Economics.
7.	Suraj Karan Pareek, M.A., Bisharad.	
8.	Vidya Dhar Shastri, B.A. (Punjab), M.A. Prev. (Agra).	Lecturer in Sanskrit.
9.	Shiva Dutt Singh, B.A.	
10.	Jeth Mal, B.A.	
11.	Din Dayal, B.A.	
12.	K. R. Bidwalkar, passed Intermediate Grade of the Bombay School of Arts in Drawing.	
13.	Prahlad Goswami, Visharad.	
14.	Badshah Husain, Fazil (Punjab).	

VICTORIA COLLEGE, LASHKAR (GWALIOR).

This institution is entirely maintained by the Gwalior Darbar, and is under the control and supervision of the Inspector-General of Education, Gwalior State.

The College building is a magnificent edifice of Indo-Saracenic style, situated in an open space outside the town, and has attached to it a gymnasium, a library, and well-equipped laboratory with a workshop and gas installation.

The scale of tuition fee for outsiders is Rs. 3 per mensem for the Intermediate classes. Natives of the State pay half the fee. An additional fee of one rupee a month is also charged from all students.

At a little distance from the College there is a boarding house under the supervision of a resident superintendent.

INSTRUCTIVE STAFF.

1.	H. M. Bull, M.A. (Cantab), Principal.	Ancient History, XI and XII.
2.	H. F. Manley, M.A. (Cantab), Honours in Philosophy and Economics, Certificated Teacher, Higher Education University of Cambridge, Vice-Principal.	
3.	Hira Lal Chatterjee, M.A. (Allahabad).	English, XI and XII.
4.	V. K. Tatke, M.A. (Allahabad) ..	
5.	B. L. Vajpayee Bhimpure, M.A., LL.B. (Allahabad).	Economics, XI and XII.
6.	Asok Nath Roy Chaudhari, M.A. (Calcutta).	History (Modern), XI and XII.
7.	Badri Narayan, M.A., LL.B. (Allahabad).	History (Modern) and Hindi, XI and XII.
8.	G. R. Deo, M.A. (Allahabad) ..	Mathematics, XI and XII.
9.	B. R. Bokil, M.A. (Allahabad) ..	Logic, XI and XII.
10.	V. H. S. Dravid, M.A. (Allahabad)	Sanskrit, XI and XII.
11.	M. A. Saquib	Persian, XI and XII.
12.	Vidya Bhushan Saxena, M.Sc. (Allahabad).	Biology, XI and XII.
13.	Kanhaya Lal Saxena, M.Sc. (Allahabad).	
14.	B. S. Bhagwat, B.Sc. (Allahabad)..	Physics, XI and XII.
15.	Ghasi Ram Jain, M.Sc. (Allahabad)	
16.	G. N. Manke, B.A. (Allahabad) ..	Chemistry, XI and XII.
17.	Ram Pershad, M.Sc. (Allahabad) ..	

MADHAVA INTERMEDIATE COLLEGE, UJJAIN.

This College owes its origin to the development of Ujjain High School, founded by the Gwalior Darbar in 1888. It was affiliated to the Allahabad University for the Inter-Examination in 1890 and for the B.A. Examination in 1893. Subsequently the Director of Public Instruction, Malwa, requested His Highness Maharaja Madhava Rao Scinda to allow this College to be named after him. The request was kindly granted by Maharaja Saheb and thus this institution came to be called Madhava College.

The College taught up to the B.A. standard till 1906, when, from economical considerations, the classes of the College, proper were transferred to and amalgamated with the Victoria College, Gwalior, in 1906, and the College was reduced merely to a High School. But again in 1926, the Council of Regency resolved to have a College at Ujjain, in pursuance of a wish of His late Highness, as stated in his "Policy" Volume I. Accordingly an application was made to the Board of the United Provinces for the High School and Intermediate Education, and affiliation is sought from July, 1928, in English, History (Modern) Economics, Sanskrit, Marathi, Hindi, Physics, Chemistry and Mathematics for the purposes of the Intermediate Examination.

INSTRUCTIVE STAFF.

1.	G. S. Apte, M.A. (Chemistry), B.Sc. (Honours in Chemistry), (Allahabad), Principal.	Chemistry, XI and XII English X.
2.	S. K. Abhyanker, M.Sc., L.T. (Nagpur).	Mathematics, X to XII.
3.	N. B. Paradkar, B.A. (English Honours and Marathi), M.A. (English and Marathi), Bombay.	English, XI and XII; Marathi, X to XII.
4.	T. P. Bajpai, M.A. in English. and Hindi (Benares).	English, X to XII; Hindi, XI and XII.
5.	Pritam Singh, M.Sc. (Physics), (Agra).	Physics, IX to XII; Mathematics, IX.
6.	Trilochan Das, M.A. in History (Allahabad).	History, IX to XII Economics, XI and XII (Officiating).
7.	R. S. Rewadikar, M.Sc. (Honours in Chemistry) (Bombay), A.I.I.Sc. Demonstrator.	Chemistry, XII to IX. Practical.
8.	R. V. Pantoji, M.A. in Sanskrit (Aligarh).	Sanskrit, XI to XII.
9.	Ganesh Shastri Vishwaroop, Shastri (Honours) Punjab, Acharyakhanda 4 (Benares).	Sanskrit, IX, X, XI and XII.
10.	T. S. Gokhale, B.Sc. (Allahabad). Demonstrator.	Mathematics, X; Marathi, IX.; Physics, XII and XI (Practical).

11. Narain Prasad, B.A. (Allahabad). .. English, IX and X.
12. S. K. Shastri, Inter. .. Mathematics, IX.
13. Prabhu Lall, Matric. .. Urdu and Persian, X.
14. Gokul Das, Matric. .. .. Mathematics, IX and X.
15. Balmukand .. .. Hindi, IX and X.
16. Mohammad Mohtadi .. .. Urdu and Persian, IX.
17. B. V. Koramme, J.J., School of Arts, 3rd grade. Drawing, IX and X.

INDORE CHRISTIAN COLLEGE, INDORE.

This institution, which is maintained by the United Church of Canada, was opened as a High School in 1884. In 1888 it was affiliated to the Calcutta University as a College. Coming in 1904 under the jurisdiction of the University of Allahabad, it was recognized by the latter as one of its affiliated Colleges, until its Intermediate department was brought under the Board.

The buildings and grounds are within the limits of the Indore Residency area. Four members of the staff reside on the premises.

There is hostel accommodation for about 125 students. These make their own messing arrangements, the College providing kitchens, utensils, etc., if desired.

The library is well-equipped, and affords opportunity for extensive reading. The reading-room is furnished with English and Vernacular papers and magazines. There are also recreation rooms for in-door games.

The students' organizations comprise an Economic Club, an Anthropological Society, Dramatic Club, Debating Society, and the usual Athletic Associations.

A number of freeships and exemptions are open to students of Central India.

INSTRUCTIVE STAFF.

1. Rev. H. W. Lyons, B.A. (Honours) Toronto, Political Economy, Acting Principal. Economics Supervisor, XI and XII.
2. Rev. C. F. Grant, M.A. in History and Philosophy (Dalhousie). European History, XI and XII.
3. C. P. Shashtree, M.A. in Sanskrit (Allahabad). Sanskrit, XI and XII.
4. P. N. Bhattacharya, M.A. in Pure Mathematics (Calcutta). Mathematics, XI and XII.
5. B. B. Singh, B.A. in English and Philosophy (Madras). English, XII.
6. N. C. Chatterji, M.A. in Philosophy, L.T. (Allahabad). Indian History, XI; English, XII.
7. R. N. Langer, M.A. in Political Economy (Agra). Economics, XI and XII.

8. C. P. Brahmo, M.A. in Sanskrit, LL.B. (Aligarh). Logic, XI and XII; English, XII.
9. Thomas Mathews, B.A. in History and Persian (Agra). English, XI; Indian History, XII.
10. C. W. David, B.A. in Philosophy and Mathematics (Agra). English, XI.

HOLKAR COLLEGE, INDORE.

This College was founded in 1891 by His Highness the Maharaja Sivaji Rao Holkar, G.C.S.I., and is maintained by the Government of His Highness the Maharaja Holkar.

The monthly tuition fee is Rs. 3 for Intermediate students. There are many free-studentships and a sum of Rs. 20 per mensem is distributed in competitive scholarships and about Rs. 45 annually in prizes.

The fine College buildings are situated in an open space outside the immediate precincts of the city of Indore and comprise a handsome main structure containing a physics laboratory, a library, a reading room, and lecture rooms flanked on either side by boarding houses for upwards of 60 students, a gymnasium and a separate block for Chemistry, and Science lecture rooms.

INSTRUCTIVE STAFF.

1. Praphulla Chandra Basu, PH.D. (Cal.) Economics, M.A. (Cal.), History and Economics, B.L., Principal. Economics, XI and XII.
2. Charles A. Dobson, B.A., M.R.A.S., Vice-Principal.
3. S. S. Deshpande, M.Sc. (Allahabad), Ph.D. (London) Chem., Associate of the Institute of Chemistry, Associate of the Royal College of Science. Chemistry, XI and XII.
4. H. Ghosh, M.A. in English (Calcutta), 1st class second. English, XI and XII.
5. I. J. Cornelius, M.A. in Mathematics (Allahabad). Mathematics, XII.
6. Syed Saghir Ali, M.A. in Persian and Arabic (Allahabad). Persian, XI and XII.
7. V. B. Shrikhande, M.A. in Philosophy (Bombay) Dakshina Fellow and Padhya Prizeman, Deccan College, Poona, LL.B. (Bombay). Logic, XII.

8.	N. Padmanabha Shastri, M.A. in Physics (Madras).	Physics, XI and XII.
9.	Sailandra Nath Dhar, M.A. in History, (Calcutta), 1st class, second Medalist and Prizeman.	History, XI and XII.
10.	L. C. Dhariwal, M.A. in Economics (Allahabad) 2nd class, LL.B. (Allahabad).	Economics, XI and XII.
11.	Shriniwas Chaturvedi, M.A. in Sanskrit (Allahabad).	Sanskrit and Hindi, XI; Hindi, XII.
12.	W. G. Urdhwareshe, M.A. in Sanskrit (Allahabad), M.R.A.S., Kavya Tirtha, Calcutta.	Marathi, XI and XII.
13.	V. G. Gole, M.A. in Mathematics (Allahabad) B.Sc. in English (Allahabad), Mathematics, Physics and Chemistry (Allahabad), LL.B. (Allahabad).	Mathematics, XI.
14.	D. M. Borgaonkar, M.A. in English (Allahabad), 2nd class, United Provinces Government Research scholar.	English, XI and XII.
15.	Jwala Prasad Singhal, M.A. in Economics and LL.B., (Allahabad), F.R.E.S., and F.R.S.A.	Economics, XI and XII ; Logic, XI.
16.	Kesarilal Bordia, M.A. in English (Punjab).	English, XI and XII.
17.	S. V. Chitale, M.Sc. in Physics (Allahabad).	Physics Practical.
18.	Param Sukh Mathur, M.Sc. in Chemistry (Allahabad).	Chemistry Practical.
19.	Kamala Shankar Mishra, B.A. (Allahabad).	Sanskrit and Hindi, XI; Sanskrit, XII.
20.	K. P. Rassay, B.Sc. in English, Mathematics, Physics, and Chemistry (Allahabad).	Chemistry Practical.
21.	Y. R. Shintre, B.Sc. in English, Mathematics, Physics and Chemistry (Allahabad).	Physics Practical.

APPENDIX E.

Minimum qualifications prescribed for Teachers in recognized High Schools and Intermediate Colleges.

1.	Principal of Intermediate College	.. A graduate with experience of teaching in High School and Intermediate or higher classes amounting in all to not less than five years.
2.	Head Master of High School	.. B.A., L.T., or M.A., M.Sc., (experience is essential).
3.	(*a*) Assistant Master teaching classes XI and XII in English, Logic, History, Mathematics, Physics, Chemistry or Economics.	M.A. or M.Sc. preferably also L.T.
	(*b*) Assistant Master teaching Biology to Intermediate classes.	M.Sc., in Zoology or Botany.
	(*c*) Assistant Master teaching Civics to Intermediate classes.	M.A. in Civics or History.
4.	Demonstrator for Intermediate classes in Science.	B.Sc., preferably also L.T.
5.	Sanskrit Teacher for classes XI and XII.	(*a*) Acharya of the Benares Sanskrit College, *or* (*b*) Acharya or Shastri of the Benares Hindu University, *or* (*c*) M.A. in Sanskrit, *or* (*d*) *Shastri*, B.A. of the Punjab. — with a sufficient knowledge of English.
6.	Persian and Arabic Teacher for classes XI and XII.	(*a*) Fazil of Allahabad, *or* (*b*) Maulvi Fazil or Munshi Fazil of the Punjab, *or* (*c*) Fazil (in Arabic) of Lucknow University, *or* (*d*) Dabir-i-Kamil (in Persian) of Lucknow University, *or* (*e*) M.A. in Persian or Arabic. *or* (*f*) Kamil Examination in Persian (Allahabad). — with a sufficient knowledge of English.

7.	Urdu Teacher for classes XI and XII.	M.A. in Urdu as far as possible; failing that B.A. with Urdu as an optional subject, *or* (1) Kamil Examination of the Department or Dabir-i-Kamil Examination of the Lucknow University *and* (2) The Intermediate Examination in English only, *and* (3) The Departmental Examination in Advanced Urdu.
8.	Hindi Teacher for classes XI and XII.	M.A. in Hindi as far as possible; failing that, B.A. with Hindi as an optional subject.
9.	Drawing Teacher for classes XI and XII.	Drawing Teachers' Training Certificate of the Government School of Arts and Crafts, Lucknow *.
10.	Head Master of a Middle School	B.A. or B.Sc. preferably trained or experienced.
11.	Assistant Masters in High Sections.	
12.	Assistant Masters in Middle and Primary Sections.	Intermediate certificate or S. L. C., C. T.
13.	Science Masters in High or Middle Schools.	B. Sc., preferably trained.
14.	Drawing Masters	(*a*) Teachers' Senior Certificate Examination, Mayo School of Arts, Lahore, *or* (*b*) Third grade Arts School Examination, Bombay, *or* (*c*) Final Drawing Teachership Examination, Calcutta, *or* (*d*) Drawing Teachers' Training Certificate of the Government School of Arts and Crafts, Lucknow.†
15.	Head Pandit or Second Pandit in a High or Middle School.	(*a*) Complete Madhyama of Benares, *or* (*b*) Madhyama of the Benares Hindu University, *or* (*c*) Shastri of the Punjab.
16.	Head Maulvi or Second Maulvi in a High or Middle School.	(*a*) Maulvi or Alim or Fazil of Allahabad, *or* (*b*) Fazil (in Arabic) of the Lucknow University, *or* (*c*) Dabir-i-Kamil (in Persian) of the Lucknow University, *or* (*d*) Kamil (Allahabad).

*The qualifications, experience, etc., of teachers of High School classes teaching the subject to these classes in recognised High Schools previous to 1928, but not possessing the above certificate of the Government School of Arts and Crafts, Lucknow, will be considered on their merits.

†In the case of future new appointments of Drawing Masters in recognised High Schools preference will be given to holders of this certificate. Drawing Masters at present confirmed in their appointments will be eligible for future new appointment equally with the holders of this certificate.

17.	Urdu Teacher in a High School.	V. T. C. with Munshi qualification of Allahabad.
18.	Hindi Teacher n a High School.	(*a*) V. T. C. with the Prathma Pariksha of the Benares Sanskrit College *or* (*b*) B.A. with Hindi as an optional subject *or* (*c*) (1) The Prathama Examination of the Government Sanskrit College, Benares, or the Praveshika Examination of the Benares Hindu University *and* (2) The Intermediate Examination of the Board of High School and Intermediate Education or an Examination recognised as equivalent thereto with Hindi as one of the optional subjects *or* (*d*) (1) The Prathma Examination of the Government Sanskrit College, Benares, or the Praveshika Examination of the Benares Hindu University *and* (2) The departmental advanced Examination in Hindi *and* (3) The High School Examination of the Board of High School, and Intermediate Education or an Examination recognised as equivalent thereto.
19.	Commerce Teacher for High School classes.	Commercial Diploma of the Board of High School and Intermediate Education, United Provinces.
20.	Commerce Teacher for the Commercial Diploma classes.	M.A., B. Com. or C.D. (for Shorthand and Typewriting).
21.	Teacher of Agriculture for classes IX and X.	Intermediate Diploma or higher Agricultural Degree.
22.	Teacher for the Agricultural Diploma classes.	(*a*) Licentiate of Agriculture, *or* (*b*) Bachelor of Agriculture, *or* (*c*) B.Sc., in Agriculture, *or* (*d*) Higher degree in Agriculture of any recognised College.

N.B.—No minimum qualifications are for the present prescribed for the following subjects recognised for the Intermediate Examination. The qualifications of teachers in these subjects will be considered as individual cases of institutions applying for recognition arise.

(1) Physiology, Hygiene, and Child-Study (for girls only);

(2) Geography.

APPENDIX F.

Recognition of the Board's examinations by Indian and foreign Universities for purposes of admission to the Universities.

Names of examinations.	Name of the University recognizing the examinations.	Authority.
Intermediate and Commercial Diploma Examinations.	Allahabad University ..	Section 37(1) of the Allahabad University Act, 1921.
Ditto ..	Lucknow University ..	Registrar's letter no. 4105/18/15, dated September 25, 1924.
High School, Intermediate and Commercial Diploma Examinations.	Calcutta University ..	Registrar's letter no. Misc. 3069/XXB, dated September 29, 1924.
Ditto ..	Punjab University ..	Registrar's letter no. 5977, dated December 10, 1924.
High School and Intermediate Examinations.	Nagpur University ..	Registrar's letter no. 1857, dated 9th September, 1924, and Ordinance 4(*a*), note (5) (*a*), Chapter VII of the Nagpur University calendar for 1924-25.
Ditto ..	Rangoon University ..	Registrar's letter no. 1945/43G., dated 15th September, 1924.
Ditto ..	Benares Hindu University.	Registrar's letter no. 2516/IVD-11, dated 22nd December, 1924.
Ditto ..	Bombay University ..	Registrar's letters nos. 3936, dated 6th July, 1925 and 8685, dated 15th December, 1925.
Ditto ..	Aligarh Muslim University.	Registrar's letter no. 195710, dated 31st March, 1926.
Intermediate Examination ..	Delhi University ..	Registrar's letter no. 4631, dated 30th January, 1925.
Ditto ..	Dacca University ..	Registrar's letter no. 19572, dated 23rd April, 1925.
Ditto ..	Cambridge University ..	Registrar's letter no. H.17923, dated 13th July, 1926.
Ditto ..	Scottish Universities Entrance Board.	Secretary's letter, dated 23rd January, 1928.

APPENDIX G.

List of candidates who have passed the Intermediate Examination of 1929.

Roll	*Name of candidate.*	*Name of College.*	*Passed in division.*
1	Abdul Nasir Khan	Agra College, Agra ..	III
3	Amar Singh	Ditto ..	II
4	Amar Singh Yadava	Ditto ..	II
5	Amba Prasad Mathur.. ..	Ditto ..	III
6	Anand Bihari Lal Sinha ..	Ditto ..	III
8	Bahadur Singh	Ditto ..	III
9	Balbir Singh	Ditto ..	III
11	Bhagwan Swarup	Ditto ..	III
14	Bhawani Singh Ranawat ..	Ditto ..	II
15	Birendra Singh Bakshi ..	Ditto ..	III
17	Chand Bahadur	Ditto ..	III
18	Chandrapal Singh	Ditto ..	II
19	Chaube Jugal Kishore Pande* ..	Ditto ..	I
20	Chhotey Lal Yadava	Ditto ..	III
22	Devendra Kumar	Ditto ..	II
23	Faqir Chand	Ditto ..	III
28	Govind Narayan	Ditto ..	III
29	Hari Har Sircar	Ditto ..	II
30	Hari Krishna Chaudhri ..	Ditto ..	III
35	Jagdamba Prasad Kapoor ..	Ditto ..	III
37	Jagdish Prasad Sarbhai ..	Ditto ..	III
39	Khyali Ram Tiwari	Ditto ..	III
40	Krishna Charan Agarwal ..	Ditto ..	III
41	Krishna Gopal Sharma ..	Ditto ..	III
42	Kuar Ram Indra Pal Singh ..	Ditto ..	II
45	Manik Chandra Chaturvedi ..	Ditto ..	III
46	Mohan Chandra Joshi ..	Ditto ..	II
52	Nihal Chand	Ditto ..	III
56	Raja Ram	Ditto ..	III
59	Rama Shankar	Ditto ..	II
61	Ram Narain Chaturvedi ..	Ditto ..	II
64	Ram Swarup	Ditto ..	III
66	Sankatha Sahai Srivastava ..	Ditto ..	II
69	Sheobaran Singh Sharma ..	Ditto ..	II
70	Sohan Singh	Ditto ..	III
73	Suraj Mal	Ditto ..	II

* Distinguished in Mathematics.

Roll no.	Name of candidate.	Name of College.	Passed in division.
77	Syed Rafiq Husain Rizvi	.. Agra College, Agra..	III
82	Ambika Prasad Misra..	.. Ditto ..	III
84	Baikunth Nath Nagar	.. Ditto ..	III
86	Balram Singh Baswani	.. Ditto ..	III
89	Bhagwat Saran Vidyarthi	.. Ditto ..	II
90	Bimal Chandra Sirkar	.. Ditto ..	II
91	Birendra Pal Singh ..	.. Ditto ..	II
92	Bishambhar Nath Srivastava	.. Ditto ..	II
93	Brahma Swarup Kashyap	.. Ditto ..	II
97	Champa Lal B. Rai ..	.. Ditto ..	II
98	Chandoo Lal Bhatnagar	.. Ditto ..	II
101	Devendra Mohan Kasliwal	.. Ditto ..	III
102	Devi Prasad Tandon ..	.. Ditto ..	II
104	Dhakkan Lal Garga ..	.. Ditto ..	II
105	Dhatri Saran Mathur*	.. Ditto ..	I
106	Din Dayal Joshi ..	.. Ditto ..	II
107	Dinesh Chandra Chaturvedi	.. Ditto ..	II
109	Gappu Mal Agarwala	.. Ditto ..	II
111	Girdhar Lal Sharma ..	.. Ditto ..	III
116	Harendra Narain ..	.. Ditto ..	III
119	Indra Gupta Agarwal	.. Ditto ..	II
121	Ishwar Dayal ..	.. Ditto ..	III
122	Jagannath Arora ..	.. Ditto ..	II
124	Jagannath Prasad Agarwala	.. Ditto ..	III
125	Jagannath Prasad Arora	.. Ditto ..	II
127	Jagdish Bahadur Asthana	.. Ditto ..	II
132	Kailas Narain Tankha†	.. Ditto ..	II
133	Kali Prasad Raizada ..	.. Ditto ..	III
135	Kamta Prasad Upadhya	.. Ditto ..	II
136	Keshav Deo Sharma ..	.. Ditto ..	III
138	Krishna Kumar Govil	.. Ditto ..	II
139	Krishna Rao Deo Rao Chauhan	.. Ditto ..	III
140	Krishna Saran Mathur	.. Ditto ..	II
144	Madan Gopal Arora‡ ..	.. Ditto ..	I
146	Madho Parsad Jaiswal	.. Ditto ..	III
150	Mirza Saeed Habib Hosain	.. Ditto ..	III
151	Muhammad Ishaq ..	.. Ditto	II
152	Nihal Chandra Jain ..	.. Ditto ..	II
154	Om Prakash Kulsreshtha†	.. Ditto ..	II
155	Onkar Singh ..	.. Ditto ..	II

* Distinguished in Mathematics, Physics and Chemistry.
† Distinguished in Chemistry.
‡ Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
160	Radha Ballabh Bhargava	Agra College Agra	I
161	Radha Raman Agarwala*	Ditto	I
162	Raghunandan Prasad Garg	Ditto	II
163	Raj Bahadur	Ditto	II
169	Rameshar Narain Agarwala	Ditto	I
170	Rameshwar Prasad	Ditto	III
172	Ramesh Swarup	Ditto	III
173	Ram Nath Chaturvedi	Ditto	III
174	Ram Sharan Agrawal	Ditto	II
175	Ratan Lal Bhargava	Ditto	II
178	Reshi Kumar Chaturvedi	Ditto	III
180	Sachchida Nand Kulsreshtha	Ditto	II
182	Shanti Swarup Bhatnagar	Ditto	II
185	Shiva Narayan	Ditto	III
186	Shiv Narayan Agrwal	Ditto	II
189	Shyam Pada Sen	Ditto	II
190	Shyam Sunder Chaturvedi	Ditto	II
191	Sudershan Lal Paliwal	Ditto	II
193	Surendra Singh Bhatnagar	Ditto	II
194	Sureshwar Nath	Ditto	II
195	Surya Prakash Govel	Ditto	II
196	Tara Chand Kala	Ditto	III
199	Trilokya Prakash Mittal	Ditto	III

Compartmental—Under Regulation 18, Chapter XII of the Boards' Regulations.

202	Hardwari Saran Bhatnagar	Agra College, Agra	Passed.
203	Kaikhusro Hormusji Patel	Ditto	Passed.
205	Akhtar Ali Khan	St. John's College, Agra.	III
208	Ernest Jeziel Sawai Ram	Ditto	III
210	Gajraj Singh Chauhan	Ditto	III
211	Harold Wilfred Thomas	Ditto	III
214	Kare Lal	Ditto	III
218	Mohammad Jalil Siddiqi	Ditto	III
219	Musarrat Husain Zubairi†	Ditto	I
220	Pershadi L Sharma	Ditto	III
224	Rashid Ahmad Zubairi	Ditto	III
225	Shabbir Raza	Ditto	III

* Distinguished in Chemistry.

† Distinguished in Urdu.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
227	Sukhi Ram Sharma	St. John's College, Agra.	III
228	Saiyid Razi-ul Hasan Chishti* ..	Ditto ..	I
231	Vinod Rai Antani	Ditto ..	III
235	Arnold Eric Williams ..	Ditto ..	II
236	Azhar Ali Khan†	Ditto ..	I
238	Cyril Leslie Clive	Ditto ..	III
240	Gajraj Bahadur‡	Ditto ..	I
243	Hemant Kumar Basu.. ..	Ditto ..	III
244	Isharat Husain§	Ditto ..	I
245	Kanhaiya Lal Tandon ..	Ditto ..	II
246	Krishna Murari Lal Misra ..	Ditto .	II
247	Kundan Lal Gupta	Ditto ..	III
248	Maharaj Saran Kapur ..	Ditto ..	II
250	Mohammad Salim Ullah ..	Ditto ..	II
251	Muhammad Latif Ullah ..	Ditto ..	III
257	Saiyid Muzammil Ali	Ditto ..	II
263	Wahid Ullah Khan	Ditto ..	II
264	Zamir Uddin Siddiqi.. ..	Ditto ..	III

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

265	Keshao Yadaorao Mokaddam Sirdeshmukh	St. John's College, Agra.	Passed.
266	Amar Chand Aggrawala ..	Radhasoami Educational Institute, Dayalbagh, Agra.	III
267	Bijai Kumar Roy	Ditto ..	III
268	Ganga Prasad Agarwala ..	Ditto ..	II
269	Jog Sadhan Kantha	Ditto ..	III
272	Muneshwar Dayal	Ditto ..	II
273	Murari Lal	Ditto ..	III
274	Parameshwar Dayal Srivastava ..	Ditto ..	III
275	Prayag Narayan Bajpai ..	Ditto ..	III
276	Sadh Saran Srivastava ..	Ditto ..	III
278	Akshai Kumar Srivastava ..	Ditto ..	II
279	Anand Prakash Gupta‖ ..	Ditto ..	II

* Distinguished in Urdu.

† Distinguished in Physics and Chemistry.

‡ Distinguished in Mathematics, Physics and Chemistry.

§ Distinguished in Chemistry.

‖ Distinguished in Mathematics and Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
280	Ajodhya Nath Gupta alias Ajodhya Prasad Gupta*	Radhaswami Educational Institute, Dayalbagh, Agra.	I
281	Bankey Behari Lal	Ditto ..	II
282	Bishan Swarup Saxena* ..	Ditto ..	II
283	Brij Mohan Johri*	Ditto ..	I
284	Daya Shankar Dave†.. ..	Ditto ..	I
285	Daya Prasad Lubdhani* ..	Ditto ..	II
286	Dwarka Dass	Ditto ..	II
287	Kanti Vira Gupta*	Ditto ..	II
288	Krishna Bahadur Pradhan* ..	Ditto ..	I
289	Mahadeo Prasad Bhatnagar ..	Ditto ..	II
290	Nawal Kishor*	Ditto ..	I
291	Nihal Chand Jain	Ditto ..	II
293	Onkar Sarup Bhatnagar ..	Ditto ..	II
294	Prakash Chandra Bhatia* ..	Ditto ..	II
296	Prem Chand Gupta*	Ditto ..	II
297	Prem Shankar Satsangi ..	Ditto ..	II
299	Sant Saran Mehta	Ditto ..	II
301	Saran Prasad Satsangi ..	Ditto ..	I
302	Soami Saran Sharma	Ditto ..	II
303	Sri Ram Singh	Ditto ..	II
304	Surendra Singh Sundoo ..	Ditto ..	II
305	Tirloki Nath Shiva Puri ..	Ditto ..	II
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
306	Sundar Singh	Radhaswami Educational Institute, Dayalbagh, Agra.	Passed.
307	Anand Ram Yajnik	Herbert Intermediate College, Kotah.	III
308	Balaji Bhansaheb Hardo ..	Ditto ..	III
312	Inder Sain Sethi	Ditto ..	III
315	Mohansinh Bhagi Rathji Mehta ..	Ditto ..	III
316	Prem Bihari Lal Mathur ..	Ditto ..	II
317	Rajendra Behari Mathur ..	Ditto ..	III
319	Rameshwar Prasad	Ditto ..	II
320	Ram Nivas Jindal	Ditto ..	III
321	Rattan Chand Batta	Ditto ..	II
322	Sunder Lal Baijal	Ditto ..	III

* Distinguished in Chemistry.

† Distinguished in Physics and Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
323	Abid Raza	Ewing Christian College, Allahabad.	III
325	Ahmad	Ditto ..	II
326	Akbar Husain Mirza	Ditto ..	III
328	Amrit Lall	Ditto ..	III
329	Anil Kumar Mukerji	Ditto ..	III
330	Ansar Husain	Ditto ..	III
332	Balbhadra Krishna	Ditto ..	III
333	Balbhadra Prasad Srivastava ..	Ditto ..	III
336	Bhagwan Dass Gupta.. ..	Ditto ..	III
337	Bhagwati Lal Shah	Ditto ..	III
339	Bihari Lal	Ditto ..	II
340	Bindeshwari Prasad	Ditto ..	III
341	Bir Singh	Ditto ..	II
342	Bishwambhar Dat Bhatt ..	Ditto ..	II
344	Chandra Sirgh Rawat ..	Ditto ..	II
345	Chandika Prasad Sinha ..	Ditto ..	III
347	Diwakar Prasad Pande ..	Ditto ..	III
349	Ganga Prasad	Ditto ..	III
350	Girdhari Lal Goenka	Ditto ..	III
354	Iftakhar Hasan	Ditto ..	III
355	Imdad Husain Khan	Ditto ..	II
357	Indra Singh ..	Ditto ..	III
359	Jagannath Prasad Misra ..	Ditto ..	II
361	James Seth Morar	Ditto ..	II
363	Keshava Prasad Pathak ..	Ditto ..	III
365	Krishna Nand Singh	Ditto ..	III
369	Lakshmi Shankar Lal.. ..	Ditto ..	III
370	Lal Bahadur Lal Srivastava ..	Ditto ..	III
371	Lal Bihari Singh	Ditto ..	III
372	Lal Chakradhar Singh ..	Ditto ..	II
373	Mahbub Ahmad	Ditto ..	III
374	Mahendra Shankar Pande ..	Ditto ..	II
377	Markanday Lal Srivastava ..	Ditto ..	III
379	Mata Pra-ad Awasthy ..	Ditto ..	III
380	Mohd. Masud Ali Khan ..	Ditto ..	II
381	Mohammad Ahmad	Ditto ..	II
382	Mohammad Asim Khan ..	Ditto ..	III
383	Mohammad Ayub Ansari ..	Ditto ..	III
384	Mohammad Ishaq*	Ditto ..	II

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
385	Mohammad Mustafa Khan ..	Ewing Christian College Allahabad.	III
387	Mohan Lal	Ditto ..	II
388	Muhammad Kamil	Ditto ..	III
389	Muhammad Zia-ud-din ..	Ditto ..	II
390	Narbada Prasad Srivastava ..	Ditto ..	III
391	Nelson Philipp	Ditto ..	II
393	Pratap Bahadur Chaudhry ..	Ditto ..	III
396	Qamar Hasan Khan ..	Ditto ..	III
397	Rahas Bihari Lali Srivastava ..	Ditto ..	III
400	Ram Charan Das	Ditto ..	III
401	Ram Kali Lal Agarwala ..	Ditto ..	III
402	Ram Kishore Malaviya ..	Ditto ..	II
403	Ram Prasad Rawat	Ditto ..	III
405	Rama Kant Tewari	Ditto ..	III
407	Rup Narain Upadhya ..	Ditto ..	III
408	Saghir Ahmad	Ditto ..	III
409	Saiyid Ali Hasan Naqvi ..	Ditto ..	III
410	Saiyed Kaibar Hasan Rizvi ..	Ditto ..	III
412	Saiyed Rizwan Husain ..	Ditto ..	III
413	Saiyid Ahmad	Ditto ..	III
414	Saiyid Hamid Hasan	Ditto ..	II
415	Saiyid Jafar Raza	Ditto ..	III
417	Sayid Muhammad Akbar Raza ..	Ditto ..	II
421	Surendra Narayan Misra ..	Ditto ..	III
423	Syed Mohammad Jafar ..	Ditto ..	II
425	Thakur Shiva Nath Singh ..	Ditto ..	III
426	Triloki Nath Goyal	Ditto ..	II
427	Upendra Nath Chaturvedi ..	Ditto ..	III
428	Victor Crossly Simon	Ditto ..	III
429	Vireshwar Singh	Ditto ..	III
430	Vishnu Prasad Sharma ..	Ditto ..	III
431	Wellington Joab	Ditto ..	III
433	Ale Hasan	Ditto ..	III
434	Amanat Ali	Ditto ..	II
435	Amar Blash Roy	Ditto ..	II
436	Anwar Ali	Ditto ..	II
437	Asghar Ali	Ditto ..	II
438	Bajrang Bahadur Srivastava* ..	Ditto ..	I

* Distinguished in Chemistry.

Roll no.	*Name of candida e.*	*Name of College.*	*Passed in division.*
440	Balkrishna Sridhar Kale ..	Ewing Christian College, Allahabad.	II
441	Basant Ram Nagar	Ditto ..	II
442	Batuk Nath Agarwal	Ditto ..	II
443	Bhuban Chandra Joshi ..	Ditto ..	II
445	Christopher Stephens ..	Ditto ..	III
447	George Nath	Ditto ..	III
448	Ghulam Qadir Farid	Ditto ..	II
451	Guru Sewak Sinha	Ditto ..	I
455	Ismail Ahmad Minai	Ditto ..	II
456	Iqbal Bahadur Hukkoo* ..	Ditto ..	I
457	Jagdish Chandra Josh ..	Ditto ..	II
459	Jagdishwar Sahai	Ditto ..	II
461	Janardan Prasad Shukla ..	Ditto ..	II
463	Kamala Kant Sinha	Ditto ..	III
464	Keshab Chandra Dobhal* ..	Ditto ..	II
467	Kuar Balbir Singh	Ditto ..	II
469	Muhammad Fazalul Karim Siddiqui.	Ditto ..	II
470	Madan Mohan Dubey ..	Ditto ..	III
471	Mahesh Prasad Khanna ..	Ditto ..	III
472	Mano Ranjan Chaudhary ..	Ditto ..	II
473	Mirza Fahim Beg†	Ditto ..	I
475	Muhammad Khalil	Ditto ..	II
477	Muhammad Latif Zar Hashimi ..	Ditto ..	III
479	Muhammad Husain	Ditto ..	III
481	Nirmal Kumar Roy	Ditto ..	II
482	Prem Govind Prasad	Ditto ..	II
483	Promode Ranjan Mookherjee† ..	Ditto ..	I
484	Radha Charan Verma ..	Ditto ..	III
485	Rajendra Bahadur Lal* ..	Ditto ..	II
486	Ram Datta Tewari‡	Ditto ..	I
487	Ram Lakhan Singh	Ditto ..	II
489	Sampat Raj Mathur	Ditt ..	I
492	Satya Deo Misra	Ditto ..	II
493	Satyendra Nath Chatterjee ..	Ditto ..	II
495	Shama Charan Chatterji* ..	Ditto ..	II
496	Shankha Dhar Singh	Ditto ..	II

* Distinguished in Chemistry.
† Distinguished in Mathematics and Chemistry.
‡ Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
497	Shanti Moy Ghosh	Ewing Christian College, Allahabad.	II
498	Shivdayal Saksena	Ditto ..	II
499	Sudhir Kumar Mukherji* ..	Ditto ..	II
500	Sushil Kumar Banerji ..	Ditto ..	II
502	Tansukh Lal Ratan Shankar Vaishnav.	Ditto ..	III
504	Vasudeo Moreshwar Ranade ..	Ditto ..	II
506	Vishnu Chandra Gupta ..	Ditto ..	II
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
508	Inamul Haqq	Ewing Christian College, Allahabad.	Passed.
509	Jiwan Sinha Chordia	Ditto ..	Passed.
510	Shiva Bihari Misra	Ditto ..	Passed.
511	Vishnu Nath Goyal	Ditto ..	Passed.
	Additional Optional Subject.		
512	Chandra Kanta Prasad ..	Ewing Christian College, Allahabad.	Passed.
513	Attendriya Bhattacherji ..	Kayastha Pathshala Intermediate College, Allahabad.	III
514	Bhagwan Swarup	Ditto ..	III
515	Baij Nath Sinha	Ditto ..	II
516	Badri Beshal	Ditto ..	III
517	Brij Nandan Lal Srivastava ..	Ditto ..	II
518	Brahma Swarup Bhatnagar ..	Ditto ..	III
521	Bhagwat Swarup Gupta ..	Ditto ..	III
522	Chhail Behari Lal	Ditto ..	II
523	Chauharja Lal Srivastava ..	Ditto ..	II
525	Deo Narain Lal Srivastava ..	Ditto ..	III
526	Durga Prasad	Ditto ..	III
527	Girija Nand Lal	Ditto ..	III
530	Gur Charan Prasad Sinha ..	Ditto ..	III
531	Girish Chandra Varma ..	Ditto ..	III
536	Iqbal Bahadur Singh	Ditto ..	III
541	Jagdish Prasad Upadhyaya ..	Ditto ..	III
542	Kuber Nath Srivastava ..	Ditto ..	I
544	Krishna Bihari Lal	Ditto ..	
545	Kameshwar Nath Srivastava ..	Ditto ..	III
546	Kailash Chandra Verma ..	Ditto ..	III

* Distinguished in Chemistry.

Roll no.	Name of candidate.	Name of College.	Passed in division.
547	Lalta Prasad Srivastava ..	Kayastha Pathshala Intermediate College, Allahabad.	III
549	Manohar Saran Kamthan ..	Ditto ..	II
550	Mata Din Lal Srivastava ..	Ditto ..	II
552	Maheshwar Dayal	Ditto ..	II
553	Mukund Lal Mehrotra ..	Ditto ..	III
555	Prithvi Nath Bajpai.. ..	Ditto ..	III
556	Prajesh Chandra Banerji ..	Ditto ..	III
557	Rama Kant Verma	Ditto ..	III
558	Rama Nand Jha	Ditto ..	III
560	Rajindra Nath	Ditto ..	III
562	Rai Bahadur	Ditto ..	I
563	Ram Narain Kapoor	Ditto ..	III
565	Rajeshwari Prasad	Ditto ..	III
566	Ram Singh Jaydhari	Ditto ..	III
567	Raghunath Das	Ditto ..	III
573	Surendra Nath	Ditto ..	III
574	Shankar Swarup Bhatnagar ..	Ditto ..	III
576	Shiva Shankar	Ditto ..	III
577	Vishnu Dinkar Kher ..	Ditto ..	III
579	Ayodhya Prasad Srivastava ..	Ditto ..	II
580	Ayodhya Prasad Singh ..	Ditto ..	III
584	Babban Prasad Singh	Ditto ..	III
585	Badri Prasad	Ditto ..	II
587	Baij Nath Singh	Ditto ..	II
588	Balgovind Prasad	Ditto ..	III
589	Durga Prasad Maole	Ditto ..	III
592	Har Shankar Prasad	Ditto ..	II
594	Indu Bhushan Mittra ..	Ditto ..	III
596	Kamala Prasad Rai	Ditto ..	II
600	Krishna Avatar Nirmal ..	Ditto ..	III
601	Kudur Prayag Raja Rao ..	Ditto ..	II
602	Kamala Kant Varma ..	Ditto ..	II
603	Lakshmi Sahay Mathur ..	Ditto ..	II
605	Murli Dhar Lal Srivastava* ..	Ditto ..	I
606	Manohar Nath Mathur ..	Ditto ..	III
611	Prabhat Kumar Banerji ..	Ditto ..	II
612	Prithivi Raj Gupta	Ditto ..	II
616	Rameshwar Chandra Asthana ..	Ditto ..	II
617	Ramji Srivastava	Ditto ..	II
618	Ram Dhari Lal	Ditto ..	II
619	Ram Kumar Saxena	Ditto ..	III

* Distinguished in Biology.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
623	Romesh Chandra Chatterji ..	Kayastha Pathshala Intermediate College, Allahabad.	II
624	Shri Radhe Charan Sahai Sinha ..	Ditto ..	II
625	Shashadar Datta	Ditto ..	II
626	Shiva Dahin Lal	Ditto ..	III
631	Tribhuan Nath Srivastava ..	Ditto ..	III
635	Vishnu Narayan Khanna ..	Ditto ..	III
636	Arnold Ernest John Sewell ..	Boys' Intermediate College, Allahabad.	III
637	Mervyn Hugh Hardaker ..	Ditto ..	III
638	Badri Narain Sinha	Anglo-Bengali Intermediate College, Allahabad.	III
639	Hari Har Prasad Chaube ..	Ditto ..	III
640	Moni Mohan Bhattacharya ..	Ditto ..	III
641	Sadananda Mukerji	Ditto ..	II
642	Amar Nath Kapoor	Government Intermediate College, Allahabad.	I
643	Anand Narain Mathur ..	Ditto ..	III
644	Anand Narain Razdan ..	Ditto ..	II
645	Aon Muhammad Khan* ..	Ditto ..	I
646	Baman Das Mukerji	Ditto ..	II
648	Brahman Saran Mathur ..	Ditto ..	II
650	Ganga Prasad Tiwari ..	Ditto ..	II
651	Habib-ul-Aziz	Ditto ..	II
652	Jugal Kishore Shukla ..	Ditto ..	III
653	Kailash Nandan Prasad ..	Ditto ..	II
655	Madan Mohan Kulshrestha ..	Ditto ..	II
656	Madan Mohan Swarup ..	Ditto ..	II
657	Moti Lal Kakkar	Ditto ..	II
658	Navendra Nath Varma ..	Ditto ..	II
659	Niranjan Chandra Maitra ..	Ditto ..	III
660	Nisha Nath Chatterji.. ..	Ditto ..	II
661	Percival Joseph Fonceca ..	Ditto ..	III
662	Perry Noel Sewake	Ditto ..	II
663	Prahlad Chandra Mathur ..	Ditto ..	II
665	Prem Chandra Mathur ..	Ditto ..	II
666	Provash Chandra Mukerji ..	Ditto ..	II

* Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
667	Raghunath Prasad Tandan ..	Government Intermediate College, Allahabad.	II
668	Ram Murti Capoor	Ditto ..	II
669	Ratneshwar Dayal Bhatnagar* ..	Ditto ..	I
670	Saiyid Akhtar Husain ..	Ditto ..	III
671	Sankata Charan Bhattacharya ..	Ditto ..	II
672	Santosh Kumar Srivastava ..	Ditto ..	II
673	Udai Pratap Narayan Singh ..	Ditto ..	II
674	Vasant Anand Ramji Mehta† ..	Ditto ..	I

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675	Panchanan Chatterjee ..	Government Intermediate College, Allahabad.	Passed
676	Abdul Bashir	Ditto ..	III
677	Aditya Prasad Tewary ..	Ditto ..	II
678	Anand Kumar Vatal	Ditto ..	I
679	Bhrigunnath Prasad Rai ..	Ditto ..	II
680	Chhabi Narayan Tewari ..	Ditto ..	III
681	Farid-ul-Haque	Ditto ..	II
682	Girish Chandra Srivastava‡ ..	Ditto ..	I
683	John Eric Mark Drummond ..	Ditto ..	II
685	Madhur Behari Lal Srivastava ..	Ditto ..	II
686	Mahesh Ram Mullick ..	Ditto ..	III
687	Mohammad Abu Jafar ..	Ditto ..	II
688	Muhammad Idris	Ditto ..	II
689	Narmada Prasad Dikshit ..	Ditto ..	II
690	Radha Krishna	Ditto ..	III
691	Saiyid Muhammad Fakhir ..	Ditto ..	II
692	Saiyid Mohammad Ilyas Alvi ..	Ditto ..	II
693	Satchita Nand	Ditto ..	II
694	Tribhuan Nath	Ditto ..	III
695	Uma Shankar Tripathi ..	Ditto ..	III
699	Muktamala Winifred Rawani (Miss)	Crosthwaite Girls' College, Allahabad.	II
700	Nirmala Mukerjee (Miss) ..	Ditto ..	II
701	Rajeshwari Tiwari (Mrs.) ..	Ditto ..	III
702	Ramavati Bhatnagar (Mrs.)	Ditto ..	II

* Distinguished in Mathematics and Chemistry.

† Distinguished in Chemistry.

‡ Distinguished in Logic.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
703	Sabita Chaudri (Miss.) ..	Crosthwaite Girls' College Allahabad.	II
704	Subarana Chatterjee (Miss) ..	Ditto ..	II
705	Sudakhshina Verma (Miss) ..	Ditto ..	II
706	Anwar Shah Khan	Government Intermediate College, Almora.	III
707	Asoka Prokash Banerji ..	Ditto ..	II
708	Bhairab Dat Pant	Ditto ..	III
710	Devendra Prasad Joshi ..	Ditto ..	II
711	Dularey Lal	Ditto ..	III
712	Girish Chandra Pande ..	Ditto ..	II
714	Jeewan Chandra Pant ..	Ditto ..	II
715	Nand Kishore Khandelwal ..	Ditto ..	II
716	Nitya Naud Misra*	Ditto ..	II
720	Amba Dat Joshi	Ditto ..	III
722	Daya Nand Joshi†	Ditto ..	I
723	Girish Chandra Uprety ..	Ditto ..	III
726	Murli Dhar Joshi	Ditto ..	II
728	Ram Prasad Tamta	Ditto ..	III
729	Abdul Hakim Khan	Bareilly College, Bareilly.	III
730	Abdul Hamid Khan	Ditto ..	III
733	Anup Narain Srivastava ..	Ditto ..	III
734	Azhar Husain	Ditto ..	III
739	Dorabjee Framjee Poonawala ...	Ditto ..	III
740	Harish Chandra	Ditto ..	III
742	Jagdish Swarup Hajailay ..	Ditto ..	III
743	Jageshwar Nath	Ditto ..	III
744	Janki Ballabh Saran Singh ..	Ditto ..	III
745	Keshava Charan	Ditto ..	III
746	Krishna Gopal Sharma ..	Ditto ..	III
753	Mahmud Raza Khan	Ditto ..	II
755	Mohammad Sabir Husain ..	Ditto ..	III
758	Mohammad Baqa Ullah Khan ..	Ditto ..	III
759	Muhammad Jamilur Rahman Qureshi.	Ditto ..	III
763	Radhey Raman	Ditto ..	III
764	Raghunandan Prasad Johri ..	Ditto ..	II
765	Rahas Bihari Lal Mathur ..	Ditto ..	III

* Distinguished in Sanskrit.

† Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
766	Raja Bahadur Singh	Bareilly College, Bareilly.	III
767	Ram Narain Chaudhri ..	Ditto ..	III
769	Ram Shanker Sukul	Ditto ..	II
770	Ram Swarup	Ditto ..	III
722	Saiyid Manzur Husain ..	Ditto ..	III
773	Sayed Mazhar Hasan ..	Ditto ..	III
774	Seth Ram Rakshpal Agarwala ..	Ditto ..	III
775	Shanti Prasad Johri	Ditto ..	III
778	Shree Narain Vaish	Ditto ..	II
780	Syed Muzaffar Ali Zaidee ..	Ditto ..	III
791	Virendra Mohan Chaudhri ..	Ditto ..	III
783	Yaqub Husain	Ditto ..	III
785	Akhilesh Chandra Kanchan ..	Ditto ..	II
786	Amar Nath Kapur	Ditto ..	II
787	Basant Kumar	Ditto ..	III
788	Basheshur Nath	Ditto ..	II
789	Brij Rai Kishan	Ditto ..	III
791	Gir Raj Kishan	Ditto ..	II
795	John Sinclair Barrow ..	Ditto ..	III
796	Kishen Narain	Ditto ..	III
797	Krishna Gopal Agarwal ..	Ditto ..	II
801	Madan Mohan Lal Agarwala ..	Ditto ..	III
804	Nasir Sultan Ali Khan ..	Ditto ..	II
806	Prem Narain	Ditto ..	III
807	Prem Narain Saksena.. ..	Ditto ..	III
811	Rameshwar Dayal Agarwala ..	Ditto ..	II
812	Rama Nand Saksena	Ditto ..	III
813	Ram Premangshu Maitra ..	Ditto ..	II
816	Satish Chandra Gupta ..	Ditto ..	II
819	Sheo Ratan Singh	Ditto ..	II

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

823	Uma Shakar Jauhari	Bareilly College, Bareilly.	Passed.
824	Austen Kouwen	St. Joseph's College, Naini Tal.	II
825	Douglas Dixie	Ditto ..	II
826	Esmond Arnold Beetles ..	Ditto ..	II
828	Patrick Brocken	Ditto ..	II
829	Vernon Dudley Lewtey ..	Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division*
830	William Walter Fay	St. Joseph's College, Naini Tal.	II
831	William Whittaker	Ditto ..	II
832	Abdul Khaliq	Queen's Intermediate College, Benares.	III
833	Aditya Prasad	Ditto ..	II
834	Aditya Prasanna Roy ..	Ditto ..	III
835	Anant Pandey*	Ditto ..	I
837	Baij Nath Singh	Ditto ..	III
838	Bhanu Das Haldar	Ditto ..	III
839	Bhola Nath Ghosh	Ditto ..	III
840	Bhupendra Nath Bhattacharya ..	Ditto ..	III
842	Byomkesh Chandra Chakravarti ..	Ditto ..	II
844	Dina Nath Khanna	Ditto ..	II
845	Dost Muhammad	Ditto ..	III
847	Ganpat Sahae Srivastava ..	Ditto ..	III
848	Ghulam Husain	Ditto ..	III
851	Gulab Singh	Ditto ..	III
852	Harikeshwar Nath Singh ..	Ditto ..	III
853	Ishwar Deo Rai	Ditto ..	III
854	Jai Singh	Ditto ..	III
856	Kuber Nath	Ditto ..	II
857	Madan Mohan Mehrotra ..	Ditto ..	III
858	Madhu Sudan Das	Ditto ..	III
859	Muhammad Hamidullah Abulkhairi	Ditto ..	III
861	Muhammad Usman	Ditto ..	III
862	Muhammad Zubair Siddiqi ..	Ditto ..	III
863	Murli Dhar*	Ditto ..	II
864	Najm-ud-din Ahmad	Ditto ..	III
865	Nand Kishore Pande	Ditto ..	III
866	Narendra Bahadur Singh. ..	Ditto ..	III
868	Parmeshwari Prasad Srivastava ..	Ditto ..	III
869	Provat Kumar Mukherji ..	Ditto ..	III
870	Raja Ram Dhundhiraj Gadgil ..	Ditto ..	II
876	Ram Narayan Tewari ..	Ditto ..	II
877	Ram Pratap	Ditto ..	III
878	Ram Raj Rai	Ditto ..	III
880	Saiyid Karamat Husain ..	Ditto ..	III
881	Santosh Kumar Banerji ..	Ditto ..	III
882	Sarda Nand Singh	Ditto ..	II
883	Satya Narain Prasad	Ditto ..	III

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division,*
884	Shailawati Prasad	Queen's Intermediate College, Benares.	III
886	Sudhanshu Bhushan Chatterji* ..	Ditto ..	I
889	Tarkeshwar Tewari	Ditto ..	II
890	Umrao Singh	Ditto ..	II
891	Abdus Salam	Ditto ..	III
892	Amiya Kanti Mukerjea ..	Ditto ..	III
893	Avadh Narayan Singh ..	Ditto ..	II
894	Bala Prasad	Ditto ..	II
895	Banwari Rai Sharma	Ditto ..	III
896	Bhupendra Mohan Banerji ..	Ditto ..	II
897	Birendra Nath Bagchi ..	Ditto ..	III
898	Chintal Ram Narain Reddy ..	Ditto ..	III
899	Dvij Dev Sharma	Ditto ..	III
900	Gur Charan Das	Ditto ..	II
902	Harish Chandra Varma* ..	Ditto ..	I
903	Har Narain Simha	Ditto ..	II
904	Indu Bhushan Malik	Ditto ..	II
905	Jiwan Das*	Ditto ..	I
907	Kali Prasanno Sircar† ..	Ditto ..	II
908	Kashi Naresh Lal	Ditto ..	II
910	Keshava Nath Singh	Ditto ..	II
917	Narottam Das	Ditto ..	III
919	Rishi Bhajan Misra*	Ditto ..	I
920	Sachindra Narayan Munshi ..	Ditto ..	II
922	Sharda Prasad	Ditto ..	III
923	Satya Charan Mukerji ..	Ditto ..	III
927	Suresh Chandra Tewary ..	Ditto ..	II

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929	Girish Sahae	Queen's Intermediate College, Benares.	Passed.
930	Ambika Singh	Udai Pratab College and Hewett Kshattriya School, Benares.	III
932	Bhrigu Nath Singh	Ditto ..	III
933	Braj Bihari Singh	Ditto ..	III

* Distinguished in Mathematics.

† Distinguished in Physics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
934	Dharam Raj Singh	Udai Pratab College and Hewett Kshattriya School, Benares.	III
935	Hazari Singh	Ditto ..	II
936	Jadgish Narain Singh ..	Ditto ..	III
937	Jhinku Singh	Ditto ..	III
938	Lakshmi Narain Singh ..	Ditto ..	III
939	Lakshmi Shankar Singh ..	Ditto ..	II
940	Mar Kanday Singh	Ditto ..	III
943	Ram Krishna Singh Gaharwar ..	Ditto ..	III
944	Shiva Shankar Singh	Ditto ..	II
945	Shukdeo Narayan Singh Gautam	Ditto ..	III
946	Suraj Bali Singh	Ditto ..	III
948	Udai Raj Singh	Ditto ..	III
949	Venkateshwar Singh	Ditto ..	III
950	Vishwa Nath Singh	Ditto ..	III
951	Miss Indubala Baxi	Theosophical National Girls' School and Women's College, Benares.	III
952	Mrs. Malati Pandya	Ditto ..	II
953	Miss Padmavati Tilak ..	Ditto ..	III
954	Miss Padmavati Terway ..	Ditto ..	II
955	Miss Radha Pyari Mathur ..	Ditto ..	III
956	Miss Sati Ram Chandra Barpute ..	Ditto ..	III
957	Miss Sushila Das	Ditto ..	II
958	Asa Ram	Christ Church College, Cawnpore.	II
959	Ashwini Kumar Dube ..	Ditto ..	II
963	Anand Shankar	Ditto ..	III
965	Baikunth Narain Dube ..	Ditto ..	III
968	Baindur Raghuvir Rao* ..	Ditto ..	II
969	Chhavi Nandan Prasad Misra ..	Ditto ..	III
970	Damodar Das Agarwala ..	Ditto ..	II
971	Daya Shankar Misra	Ditto ..	III
972	Deo Datt Divivedi	Ditto ..	III
973	Dhyan Pal Singh	Ditto ..	III
974	Ghanshyam Singh	Ditto ..	III
976	Harish Chandra Agrawal ..	Ditto ..	III
977	Hari Shankar Vidyarthi ..	Ditto ..	II

* Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
978	Harry Jonathan Lambert ..	Christ Church College, Cawnpore.	III
980	Jai Narain Tandon	Ditto ..	II
981	Jagdamba Prasad Pande ..	Ditto ..	II
985	Krishna Bahadur Srivastava ..	Ditto ..	III
987	Kripa Shankar Pathak ..	Ditto ..	II
988	Mumtaz Husain Haidery	Ditto ..	II
990	Maqsud Khan	Ditto ..	II
993	Mahabir Prasad Tripathi ..	Ditto ..	II
994	Manmohan Lal Gupta ..	Ditto ..	III
996	Nathaniel Wishard	Ditto ..	III
997	Purna Chandra Sen	Ditto ..	II
1000	Rameshwar Nath Bhalla ..	Ditto ..	II
1001	Raghubir Singh	Ditto ..	III
1003	Rudra Nand Misra	Ditto ..	III
1005	Rameshwar Nath Muttoo ..	Ditto ..	III
1006	Ramratan Lal Maihar* ..	Ditto ..	II
1007	Ram Swarcop Trivedi ..	Ditto ..	III
1009	Shrirang Hari Divekar ..	Ditto ..	II
1011	Satish Chandra Dube ..	Ditto ..	III
1012	Surya Kumar Shukla ..	Ditto ..	III
1013	Shiva Singh	Ditto ..	III
1014	Shyam Bahadur Srivastava ..	Ditto ..	III
1017	Shyam Sunder Sharma ..	Ditto ..	II
1018	Shyam Krishna Agarwala Jahanabadi.	Ditto ..	II
1019	Saiyid Muhammad Ahmad ..	Ditto ..	III
1020	Tej Narayan Batham ..	Ditto ..	II
1021	Triloki Nath Chaturvedi ..	Ditto ..	II
1022	Tej Bahadur Pradhan ..	Ditto ..	III
1023	Uttam Chand Dikshit ..	Ditto ..	III
1025	Vishwanath Raghunath Damle ..	Ditto ..	II
1026	Vijaya Prakash Khattri† ..	Ditto ..	I
1028	Yamuna Prasad	Ditto ..	III
1031	Angad Prasad Agnihotri ..	B. N. S. D. Intermediate College, Cawnpore.	II
1032	Badri Narain Mehrotra ..	Ditto ..	II
1033	Basanta Kumar Banerji ..	Ditto ..	III
1034	Chandra Dutt Gupta	Ditto ..	III
1036	Devi Prasad Dhavan	Ditto ..	III

* Distinguished in Chemistry.

† Distinguished in Mathematics and Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1039	Ghan hyam Dass Agrawal ..	B. N. S. D. Intermediate College, Cawnpore.	III
1040	Gopi Ballabh Agrawal ..	Ditto ..	III
1041	Harish Chandra	Ditto ..	III
1043	Jagdish Nath Dhavan ..	Ditto ..	III
1044	Jata Shankar Tripathi ..	Ditto ..	III
1045	Kripa Shankar Shukla ..	Ditto ..	III
1046	Lakshmi Narayan Dube ..	Ditto ..	III
1048	Munna Lall Barry	Ditto ..	III
1049	Rai Gopi Chandra	Ditto ..	III
1050	Ramchandra Ganesh Pendharkar	Ditto ..	II
1051	Ram Dayal Singh Yadav ..	Ditto ..	III
1052	Ram Sanehi Dwivedi ..	Ditto ..	III
1053	Sagar Mal Agrawal	Ditto ..	III
1054	Sheonath Singh	Ditto ..	III
1058	Amar Singh Yadava	D. A.-V. Intermediate College, Cawnpore.	III
1061	Bal Mukund Gupta	Ditto ..	II
1063	Bhagwati Prasad	Ditto ..	III
1064	Bhawa Datt Dwivedi ..	Ditto ..	III
1065	Bhupal Singh Chandel ..	Ditto ..	II
1067	Bir Sen	Ditto ..	III
1068	Brij Bihari Raj Gupta ..	Ditto ..	II
1069	Chandra Bhal	Ditto ..	III
1071	Chhotay Lall Gupta	Ditto ..	II
1072	Chuni Lal Kurichh	Ditto ..	III
1073	Deepchand Srivastava ..	Ditto ..	II
1074	Devendra Swarup	Ditto ..	II
1075	Devi Charan	Ditto ..	III
1077	Dwarka Das	Ditto ..	II
1078	Dwarka Prasad	Ditto ..	II
1079	Gaj Raj Singh	Ditto ..	III
1081	Ghasi Lal Jain	Ditto ..	II
1082	Gyanendra Nath Singh ..	Ditto ..	III
1083	Gyan Singh	Ditto ..	III
1084	Hanuman Prasad Sharma ..	Ditto ..	II
1087	Har Prasad	Ditto ..	III
1090	Jagannath Prasad Misra ..	Ditto ..	III
1091	Jagat Narain Srivastava ..	Ditto ..	III
1092	Jagdish Narayan Misra ..	Ditto ..	III
1095	Jang Bahadur Singh (Secundus) ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1099	Kishore Chandra	D. A.-V. Intermediate College, Cawnpore.	III
1100	Krishna Narayan Tandon ..	Ditto ..	III
1101	Kunwar Jaswant Singh Kushwah	Ditto ..	III
1105	Laxmi Narayan Srivastava (Primus).	Ditto ..	II
1109	Manohar Singh Kushwaha ..	Ditto ..	III
1111	Murari Lal Shukla	Ditto ..	III
1113	Narain Prasad Srivastava ..	Ditto ..	III
1117	Peyarey Lal Gupta	Ditto ..	III
1118	Pratap Bahadur Singh ..	Ditto ..	III
1119	Pratap Narain Trivedi ..	Ditto ..	III
1120	Prem Behari Gupta	Ditto ..	III
1121	Prithvi Nath Tiwari	Ditto ..	II
1122	Raghavendra Nath Saxena ..	Ditto ..	III
1123	Raghubar Singh	Ditto ..	III
1124	Raghunandan Prasad Goureigh ..	Ditto ..	III
1125	Raghuraj Prasad	Ditto ..	III
1126	Raghu Raj Singh Sanger ..	Ditto ..	III
1127	Rai Bali Pandey	Ditto ..	II
1128	Rajendra Dev Tiwari ..	Ditto ..	II
1130	Rama Chandra Gupta ..	Ditto ..	II
1132	Rama Shankar Avasthi ..	Ditto ..	III
1133	Rama Shankar Srivastava ..	Ditto ..	III
1134	Ram Lall Rathi	Ditto ..	II
1137	Ram Narayan Lal Varma ..	Ditto ..	III
1141	Ram Saran	Ditto ..	III
1142	Ram Swarup Rohatgi ..	Ditto ..	II
1145	Sahdeo Tiwari	Ditto ..	III
1151	Shanti Swarup Shukla ..	Ditto ..	III
1152	Sher Bahadur Singh	Ditto ..	III
1153	Shiva Narain Lal	Ditto ..	III
1157	Shriman Narain Saxena ..	Ditto ..	III
1159	Shri Ram Gupta	Ditto ..	II
1160	Shyam Bahadur Srivastava ..	Ditto ..	II
1163	Siddheshwar Tewari	Ditto ..	III
1165	Soma Deva Sharma	Ditto ..	III
1167	Bidya Dhar Mital	Ditto ..	III
1170	Brij Bihari Sinha*	Ditto ..	I
1171	Desh Deepak	Ditto ..	II
1173	Jagannath Singh	Ditto ..	II

* Distinguished in Mathematics and Chemisty.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1177	Kishori Lal	D. A. V. Intermediate College, Cawnpore.	II
1178	Lakshman Swarup Misra ..	Ditto ..	II
1179	Nawin Chandra Sharma ..	Ditto ..	III
1180	Prahlad Swarup Kapoor* ..	Ditto ..	II
1181	Prem Narain Mathur	Ditto ..	II
1182	Raja Ram Srivastava.. ..	Ditto ..	III
1184	Ram Prakash Saksena ..	Ditto ..	II
1189	Bhim Singh	D. A.-V. College, Dehra Dun.	II
1190	Chandu Lal	Ditto ..	II
1191	Deep Chand Kukrati	Ditto ..	III
1192	Devendra Pratap	Ditto ..	II
1193	Govind Ram Manjkhola ..	Ditto ..	III
1194	Har Charand Gupta†	Ditto ..	I
1195	Harish Chandra Gupta* ..	Ditto ..	I
1196	Jitendar Mohan Sinha ..	Ditto ..	II
1198	Madan Lal	Ditto ..	III
1201	Mano Mohan Roy	Ditto ..	III
1203	Nand Lal Gupta‡	Ditto ..	II
1204	Niharika Das (Miss)	Ditto ..	III
1205	Om Prakash	Ditto ..	III
1206	Pitambar Datt	Ditto ..	II
1207	Prem Chand	Ditto ..	II
1208	Puran Chandra Gupta (Primus)‡..	Ditto ..	I
1209	Puran Chandra Gupta (Secundus)	Ditto ..	II
1210	Raj Bahadur Saksena.. ..	Ditto ..	III
1212	Ram Nandan Srivastava ..	Ditto ..	III
1213	Ram Saran Das	Ditto ..	III
1214	Rameshwar Singh	Ditto ..	II
1215	Rashid-ud-din Ahmad Siddiqi† ..	Ditto ..	I
1216	Sanat Kumar Banerji.. ..	Ditto ..	I
1218	Sumati Devi (Miss)	Ditto ..	III
1219	Tara Datta Nautiyal	Ditto ..	III
1220	Tata Mani Pandey	Ditto ..	III
1221	Theodore Sylvastre Ram ..	Ditto ..	II
1222	Tota Ram Gairola‡	Ditto ..	I
1225	George Lumb*	St. George's College, Mussoorie.	I

* Distinguished in Mathematics.

† Distinguished in Mathematics and Chemistry.

‡ Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1227	Lionel Anthony Weston ..	St. George's College, Mussoorie.	III
1228	Varden Alexander Hugh MacInnis	Ditto ..	III
1229	Abdul Majid Khan	Government Intermediate College, Etawah.	III
1234	Bhanu Dutt Vajpei	Ditto ..	III
1235	Brij Bhanu Kishore Saxena ..	Ditto ..	II
1236	Kedar Nath Dikshit	Ditto ..	III
1237	Kirpa Shankar	Ditto ..	II
1239	Manohar Nath Mehrotra ..	Ditto ..	II
1241	Nawal Kishore*	Ditto ..	I
1242	Panna Lall Dalela	Ditto ..	II
1248	Suraj Prasad Agarwala ..	Ditto ..	III
1252	Data Din Tiwari	Government Intermediate College, Fyzabad.	II
1253	Douglas Arthur Browne ..	Ditto ..	II
1254	Ganesh Prasad Shukla ..	Ditto ..	III
1255	Gur Sahai Lal	Ditto ..	II
1256	Hausila Bakhsh Singh ..	Ditto ..	III
1257	Khushi Ram	Ditto ..	II
1259	Mahendra Narain Singh Asthana	Ditto ..	III
1261	Mehdi Hasan Zaidi	Ditto ..	III
1262	Muhammad Habibur Rahman ..	Ditto ..	II
1263	Narsingh Narain Singh ..	Ditto ..	III
1264	Narsingh Narain Srivastava ..	Ditto ..	III
1266	Parbhu Dayal Trivedi ..	Ditto ..	II
1267	Ram Bihari Singh	Ditto ..	III
1268	Ram Chandra	Ditto ..	III
1269	Rama Jauhari	Ditto ..	III
1270	Ram Samujh Tiwari	Ditto ..	III
1271	Rama Shanker Khare ..	Ditto ..	III
1272	Riazuddin Ahmad	Ditto ..	III
1273	Saghir Hasan Qureshi	Ditto ..	III
1276	Saiyid Qadir Hasan	Ditto ..	III
1277	Saiyid Siddiq Ahmad ..	Ditto ..	II
1278	Satgur Saran	Ditto ..	III
1279	Shamsher Bahadur Singh ..	Ditto ..	III
1281	Sheombar Lal	Ditto ..	II
1282	Sri Rama Varma	Ditto ..	III
1283	Sushil Singh	Ditto ..	III

* Distinguished in Mathematics and Chemistry.

Roll no.	*Name of candidate.*	*Name of Colleg .*	*Passed in division.*
1286	Badri Prasad Srivastava ..	Government Inter-mediate College, Fyzabad.	II
1287	Bhawani Prasad Srivastava ..	Ditto ..	II
1292	Jagannath Prasad Srivastava ..	Ditto ..	II
1294	Lakshmi Narayan Singh† ..	Ditto ..	II
1295	Nizamul Hasan	Ditto ..	II
1299	Saiyid Saghir Hasan	Ditto ..	II
1300	Sri Narayan Saksena	Ditto ..	III
1301	Sundar Lal Murkan*	Ditto ..	I

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1302	Ajit Kumar Roy	Government Inter-mediate College, Fyzabad.	Passed.
1303	Adya Prasad Srivastava ..	St. Andrew's College, Gorakhpur.	II
1304	Amarnath Shukla	Ditto ..	III
1306	Babban Tewari	Ditto ..	III
1308	Beni Madhav Prasad Dube ..	Ditto ..	III
1309	Bhagwati Prasad Dikshit ..	Ditto ..	III
1311	Bindhya Prasad	Ditto ..	II
1313	Chetan Singh	Ditto ..	III
1315	Ghulam Sibtain	Ditto ..	III
1316	Girja Dayal Khare	Ditto ..	III
1317	Girja Shankar	Ditto ..	II
1318	Gorakh Nath Sarkar	Ditto ..	III
1320	Govind Das	Ditto ..	III
1321	Gyan Chandra Rai†	Ditto ..	I
1322	Hari Bansh Misra	Ditto ..	III
1323	Hari Shankar Chaudhri ..	Ditto ..	II
1325	Hrishi Kesh Banerjee ..	Ditto ..	II
1328	Kaushal Kumar Singh ..	Ditto ..	III
1329	Keshav Prasad Srivastava ..	Ditto ..	III
1331	Mahendra Lal ..	Ditto ..	III
1332	Mahipat Ray	Ditto ..	III
1333	Mata Baksh Prasad Srivastava ..	Ditto ..	II
1336	Mohammad Ahmadullah ..	Ditto ..	III
1337	Mohammad Hakim Uddin Ansari	Ditto ..	III
1340	Moti Lal Srivastava	Ditto ..	III
1342	Murari Lal Srivastava ..	Ditto ..	II

* Distinguished in Mathematics and Chemistry.
† Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1346	Puran Dat Vidyarthi ..	.. St. Andrew's College, Gorakhpur.	II
1347	Purnendu Nath Banerji ..	Ditto ..	III
1349	Radhey Raman	Ditto ..	II
1350	Raja Ram Pandey ..	Ditto ..	III
1351	Rajmangal Chaube ..	Ditto ..	III
1355	Ram Prasad Srivastava ..	Ditto ..	III
1358	Ratan Narain Mulla	Ditto ..	II
1359	Ramesh Chandra	Ditto ..	II
1360	Ram Raksha Prasad	Ditto ..	II
1361	Sachida Nand Verma ..	Ditto ..	III
1365	Satya Narayan Lal	Ditto ..	III
1366	Shambhu Narain*	Ditto ..	II
1368	Shaukat Hasan Ansari ..	Ditto ..	III
1369	Shiva Kumar Lal Srivastava ..	Ditto ..	III
1372	Sripat Lal Sinha	Ditto ..	III
1373	Sudhansu Mohan Kar† ..	Ditto ..	I
1375	Surendra Nath Singh ..	Ditto ..	III
1376	Uma Shankar Lal Srivastava ..	Ditto ..	III
1377	Umesh Chandra	Ditto ..	III
1378	Vishwa Nath Mani Tripathi ..	Ditto ..	III
1380	Wishnu Bhasker Gokhale ..	Ditto ..	I
1385	Damodar Sahai Saksena ..	Government Intermediate College, Jhansi.	III
1386	Kashi Ram Tewari	Ditto ..	II
1387	Khande Rao Narayan Ganjiwale	Ditto ..	III
1389	Mohammad Yunus Beg ..	Ditto ..	III
1392	Nazir Ali	Ditto ..	II
1394	Saiyid Mohammad Wasi Naqvi ..	Ditto ..	II
1395	Sajid Ali Khan Yusuf-Zai ..	Ditto ..	III
1397	Banarsi Lal Varma	Ditto ..	II
1399	Hoshangji Edulji Godiwalla ..	Ditto ..	III
1402	Kripa Shankar Nigam ..	Ditto ..	III
1403	Krishna Murari Gupta ..	Ditto ..	III
1404	Lakshmi Prasad Varma† ..	Ditto ..	I
1405	Madan Mohan Saksena ..	Ditto ..	III
1406	Moti Lal Agarwal†	Ditto ..	II
1407	Narayan Prasad Srivastava ..	Ditto ..	II
1409	Raghubir Saran Srivastava ..	Ditto ..	II
1410	Rajjan Lal	Ditto ..	II

* Distinguished in Chemistry.
† Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1412	Ram Saran Nigam	Government Intermediate College, Jhansi.	III
1413	Shri Krishna Kapoor	Ditto ..	II
1414	Surendra Mohan Saksena ..	Ditto ..	II
1415	Zakawat Ali Naqvi	Ditto ..	II
1416	Miss Beulah Irene David ..	Isabella Thoburn College, Lucknow.	III
1417	Miss Cecelia Phillips	Ditto ..	I
1418	Miss Chandrakanta Rohatgi ..	Ditto ..	III
1419	Miss Doris Mildred Lilian Wilson..	Ditto ..	II
1420	Miss Ethel Priscilla Marr ..	Ditto ..	II
1421	Miss Florence Emily Ulrich ..	Ditto ..	II
1422	Miss Gladys Walter	Ditto ..	II
1424	Miss Karunabai Joshi.. ..	Ditto ..	III
1425	Miss Lilavati Raj	Ditto ..	II
1426	Miss Lillan Cornelius	Ditto ..	III
1427	Miss Lily James	Ditto ..	II
1429	Miss Lolita Bose	Ditto ..	II
1430	Miss Lorna Lois Williamson ..	Ditto ..	I
1431	Miss Mable Matthews ..	Ditto ..	II
1432	Miss Marjorie Grace James ..	Ditto ..	III
1433	Miss Mary Annabelle Thomas ..	Ditto ..	II
1434	Miss May Edith Thomas ..	Ditto ..	II
1435	Miss Maya Dutt	Ditto ..	II
1437	Miss Miriam Singh	Ditto ..	II
1438	Miss Muriel Nellie Raymond ..	Ditto ..	II
1439	Miss Nancy Martin ..	Ditto ..	II
1440	Miss Pansy Elsie Martin ..	Ditto ..	III
1441	Miss Pauline Hilda Macdonald ..	Ditto ..	II
1442	Miss Rebecca David Wasnikar ..	Ditto ..	III
1444	Miss Ruby Chandravati Singh ..	Ditto ..	III
1445	Miss Saboor-un-nisa Abdul Hafiz	Ditto ..	II
1446	Miss Shanti Devi Bhatnagar ..	Ditto ..	III
1447	Miss Shyama Khanna ..	Ditto ..	III
1448	Miss Sugunam Andrews ..	Ditto ..	II
1449	Miss Violet Shahadat Masih ..	Ditto ..	III
1450	Miss Zillah Soule	Ditto ..	II

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1451	Miss Christine Gopalnath ..	Isabella Thoburn College, Lucknow.	Passed.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1452	Alopi Prasad Rastogi	Government Jubilee Intermediate College, Lucknow.	III
1453	Anil Kumar Mitra	Ditto ..	III
1455	Brij Kumar Bhatnagar ..	Ditto ..	II
1456	Bishambhar Nath Agarwala ..	Ditto ..	II
1457	Bisheshwar Nath Bajpai ..	Ditto ..	III
1458	Brahma Datt	Ditto ..	III
1460	Guru Narain Seth	Ditto ..	III
1461	Harmanohar Das Saxena ..	Ditto ..	II
1462	Haridey Narain Seth	Ditto ..	III
1463	Haider Husain Mosavi ..	Ditto ..	III
1465	Jagdish Prasad Avasthi ..	Ditto ..	III
1466	Jagdeo Narain Bajpai ..	Ditto ..	III
1467	Krishna Kumar Bhatnagar ..	Ditto ..	II
1469	Kunwar Sher Singh Rathor ..	Ditto ..	III
1470	Krishan Kumar Srivastava ..	Ditto ..	III
1472	Lakshmi Shankar Misra ..	Ditto	III
1473	Mohan Krishna Zutshi ..	Ditto ..	III
1474	Muiz-ud-din Ahmad Kirmani ..	Ditto ..	II
1477	Nagendra Bahadur	Ditto ..	III
1479	Ram Saran Tandon	Ditto ..	II
1480	Rameshwar Nath Misra ..	Ditto ..	III
1481	Raj Kishore Tiwari	Ditto ..	II
1482	Raghubir Prasad Srivastava ..	Ditto ..	III
1483	Sheikh Irfan Ahmad Farooqi ..	Ditto ..	II
1486	Saeed Ahmad Shah	Ditto ..	III
1490	Shyam Krishna Narain ..	Ditto ..	II
1491	Shiva Dularey Chaudhari ..	Ditto ..	II
1492	Sri Krishna Mehrotra ..	Ditto ..	II
1494	Vishnu Narain	Ditto ..	III
1496	Byom Kesh Trivedi*	Ditto ..	I
1497	Gauri Shankar Tandon ..	Ditto ..	III
1498	Ghyas Uddin	Ditto ..	III
1502	Jageshwar Dayal Seth ..	Ditto ..	III
1505	Kunwar Surath Bahadur Shah ..	Ditto ..	III
1507	Pratap Narain Mulla	Ditto ..	II
1509	Raj Kumar Mukerji	Ditto ..	III
1511	Saiyid Hasib Ahmad	Ditto ..	II
1514	Saiyid Saeed Ahmad	Ditto ..	II

* Distinguished in Chemistry.

Roll no.	Name of candidate.	Name of College.	Passed in division.
1515	Sunder Lal Agrawal*	Government Jubilee Intermediate College, Lucknow.	I
1516	Wazir Singh Seth†	Ditto ..	I
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
1517	Prabhash Chandra Ghosh ..	Government Jubilee Intermediate College, Lucknow.	Passed.
1520	Kaisarul Islam Rizvi	Shia Intermediate College, Lucknow.	II
1523	Moinuddin Siddiqui	Ditto ..	II
1525	Nasir Husain Rizvi	Ditto ..	II
1527	Sri Ram Sinha	Ditto ..	III
1530	Saiyid Moshin Ali Naqvi ..	Ditto ..	III
1531	Saiyid Mohammad Hasnain ..	Ditto ..	III
1533	Saiyid Muhammad Saddiq Ali Khan	Ditto ..	III
1535	Saiyid Tayyeb Husain Rizvi ..	Ditto ..	II
	Compartmental.—Under Regulation 18, Chapter XII of the Board's Regulations.		
1539	Saiyid Muhammad Zaki ..	Shia Intermediate College, Lucknow.	Passed.
1540	David William Llewellyn ..	La Martiniere College, Lucknow.	II
1541	Edward Humphrey Brown ..	Ditto ..	II
1542	Eustace Reginald John D'Rozario	Ditto ..	II
1543	Fredrick William Kelly ..	Ditto ..	II
1544	Govind Narain	Ditto ..	III
1545	Kenneth Lambert Law ..	Ditto ..	III
1546	Madan Lall Bhargava ..	Ditto ..	III
1549	Mirza Anis Beg	Ditto ..	II
1550	Rishad Shahid Husain Kidwai ..	Ditto ..	II
1552	Syed Sajid Husain	Ditto ..	III
1553	Wilber Dennis Caldeira‡ ..	Ditto ..	II
1555	Anis Ahmad Khan	Lucknow Christian College, Lucknow.	III
1560	Bhawani Charan Bhattacharya ..	Ditto ..	III
1562	Clarence Lyle Ward	Ditto ..	II

* Distinguished in Chemistry.

† Distinguished in Mathematics and Chemistry.

‡ Distingished in Geography.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1566	Ganga Narain Saigal	Lucknow Christian College, Lucknow.	II
1567	George Goodwin Shaw ..	Ditto ..	III
1568	George Sylvester Sahai ..	Ditto ..	III
1569	Jagannath Prasad	Ditto ..	III
1570	Jagdish Prasad Sinha ..	Ditto ..	III
1572	Jai Shankar Mihar	Ditto ..	III
1573	Jamal Ahmad Rizvi	Ditto ..	II
1576	Krishna Datt Bajpai	Ditto ..	III
1577	Krishna Mohan Lal Saksena ..	Ditto ..	III
1579	Llewellyn Velentine Singh ..	Ditto ..	III
1580	Mirza Muhammad Bashir ..	Ditto ..	III
1581	Muhammad Akhtar Siddiqi ..	Ditto ..	III
1582	Mohammad Nawab Ali Siddiqi ..	Ditto ..	III
1585	Muhammad Husain	Ditto ..	III
1586	Nasir Husain Rizavi	Ditto ..	III
1587	Patrick Oswald Dunn.. ..	Ditto ..	III
1590	Rajiva Narain Shukla ..	Ditto ..	III
1591	Rama Krishna Narain ..	Ditto ..	III
1592	Rup Narain Kacker	Ditto ..	III
1594	Sheikh Midhat Kamil Kidwai ..	Ditto ..	II
1595	Shiam Narain Srivastava ..	Ditto ..	III
1596	Shital Prasad Roy	Ditto ..	III
1597	Shiva Lal Gupta	Ditto ..	III
1598	Shyam Nath Kapur	Ditto ..	III
1601	Surendra Nath Dutta ..	Ditto ..	III
1603	Saiyed Ahsan Ali	Ditto ..	III
1604	Saiyid Fazil Abbas Kazmi ..	Ditto ..	III
1605	Saiyid Mazhar Hasan ..	Ditto ..	III
1606	Saiyid Sibte Haider	Ditto ..	II
1608	Terence Vincent O'Brien ..	Ditto ..	III
1611	Anath Bandhu Sen	Ditto ..	II
1613	Ashok Kumar Sen*	Ditto ..	II
1614	Badri Prasad Chaurasia ..	Ditto ..	II
1615	Baij Nath Khanna	Ditto ..	II
1617	Basanta Kumar Nandi ..	Ditto ..	II
1618	Bertram William Lyal ..	Ditto ..	II
1619	Bijay Shankar	Ditto ..	III
1622	Brij Behari Srivastava ..	Ditto ..	II
1624	Chakrapani Trivedi	Ditto ..	II
1625	Abdul Rahim Khan	Ditto ..	II

* Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1626	Daya Ram Gupta	Lucknow Christian College, Lucknow.	II
1627	Devendra Nath Bhattacharyya ..	Ditto ..	III
1628	Gopi Nath Srivastava	Ditto ..	III
1629	Habib Ashraf	Ditto ..	II
1631	Hari Datt Sharma	Ditto ..	III
1632	Jageshwar Dayal Pradhan ..	Ditto ..	III
1633	Jitendra Mohan Mathur ..	Ditto ..	II
1635	Kali Shankar Sovakar ..	Ditto ..	II
1637	Krishna Behari Mathur ..	Ditto ..	II
1638	Krishna Kumar Srivastava ..	Ditto ..	II
1640	Kundan Lal Khullar	Ditto ..	III
1641	Lalit Kumar	Ditto ..	II
1642	Maharaj Bahadur Bhatnagar ..	Ditto ..	II
1644	Maiku Lal Nigam	Ditto ..	II
1645	Mani Datt Patial	Ditto ..	II
1647	Meraj Uddin Ahmad	Ditto ..	II
1648	Mohammad Abdul Rashid ..	Ditto ..	III
1649	Mohammad Farooq Ahmad ..	Ditto ..	III
1650	Mohammad Mehdi Jafri ..	Ditto ..	III
1651	Mohammad Sayeed Khan ..	Ditto ..	II
1654	Nawal Kishore Arora ..	Ditto ..	III
1655	Nawal Kishore Seth	Ditto ..	II
1656	Onkar Datt Nigam	Ditto ..	III
1658	Phanindra Nath Maji ..	Ditto ..	II
1660	Radhey Shyam Mahneddrew ..	Ditto ..	III
1662	Raghubir Sahai Mathur ..	Ditto ..	II
1664	Rajendra Prasad Saksena ..	Ditto ..	II
1665	Ram Anand	Ditto ..	III
1666	Ram Chandra	Ditto ..	III
1667	Ram Narain Khanna ..	Ditto ..	II
1671	Roshan Lal Sethi	Ditto ..	II
1675	Santi Charan Biswas	Ditto ..	III
1676	Satya Pal Gupta	Ditto ..	III
1680	Shiv Nandan Lal	Ditto ..	III
1681	Shiva Shankar Bhargava	Ditto ..	II
1682	Shiva Shankar Narain	Ditto ..	II
1686	Sripat Sahai Srivastava	Ditto ..	III
1688	Saiyid Mohammad Ahmad Rizvi	Ditto ..	II
1689	Saiyd Majibul Rahman	Ditto ..	III
1691	Tahir Husain	Ditto ..	II
1692	Tribhuwan Nath Srivastava ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1694	Uma Kant Saran Shukla ..	Lucknow Christian College, Lucknow.	III
1695	Virendra Singh	Ditto ..	III
1698	Zahirul Hasan	Ditto ..	III

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1699	Ehsan Mustafa Kazmi ..	Lucknow Christian College, Lucknow.	Passed.
1700	Nizam Uddin	Ditto ..	Passed.
1701	Sayid Wali Ahmad	Ditto ..	Passed.
1702	Satya Swaroop Sharma ..	Ditto ..	Passed.
1703	Subodh Chandra Ghosh ..	Ditto ..	Passed.
1709	Bhagwati Prasad Sinha ..	Kanyakubja Intermediate College, Lucknow.	III
1714	Girdharilall Pandey	Ditto ..	III
1717	Jagdish Prasad Tewari ..	Ditto ..	II
1719	Jai Narain Dikshit	Ditto ..	III
1720	Kailash Narain (Kapur) ..	Ditto ..	III
1721	Kamta Rai	Ditto ..	III
1725	Nitai Chandra Ghosh ..	Ditto ..	III
1727	Raj Bahadur Saxena	Ditto ..	III
1729	Ram Hari Mitra	Ditto ..	III
1731	Ram Ratan Sharma	Ditto ..	III
1733	Sanat Kumar Dutta	Ditto ..	III
1734	Shiva Dulare	Ditto ..	III
1740	Tribhuwan Dutt Pandey ..	Ditto ..	III
1741	Uma Shankar	Ditto ..	III
1742	Vikramaditya Singh Nigam ..	Ditto ..	III
1743	Abdul Salim	Meerut College, Meerut.	II
1744	Ahmad Ali Khan Rohaila ..	Ditto ..	III
1748	Amar Nath	Ditto ..	III
1749	Anup Singh Sharma	Ditto ..	III
1752	Balak Ram	Ditto ..	III
1753	Balbir Saran	Ditto ..	III
1755	Baldeo Behari	Ditto ..	II
1760	Birendra Prasad Jain ..	Ditto ..	II
1761	Bishambhar Dayal Saksena ..	Ditto ..	III
1762	Bishwambhar Sahai	Ditto ..	III
1764	Brij Bhusan Lal	Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1766	Chandoo Lal	Meerut College, Meerut.	III
1771	Indra Prakash Jain	Ditto ..	III
1772	Islam Ahmad Khan	Ditto ..	III
1775	Johari Mal	Ditto ..	III
1777	Kali Charan Vats	Ditto ..	III
1778	Kamalesh Ghosh	Ditto ..	III
1780	Krishna Chandra Sharma ..	Ditto ..	III
1782	Madhusoodan Dayal	Ditto ..	III
1784	Mahmud Hasain Khan ..	Ditto ..	III
1787	Muhammad Abdul Majid Khan ..	Ditto ..	II
1789	Muhammad Razi Khan ..	Ditto ..	III
1792	Om Prakash	Ditto ..	III
1793	Om Prakash Goel	Ditto ..	II
1794	Onkar Krishan	Ditto ..	II
1796	Padma Datt Sundriyal ..	Ditto ..	III
1798	Permatma Sharan Vaish ..	Ditto ..	III
1799	Pt. Shamsundar Nath Aga ..	Ditto ..	II
1800	Raghubar Dayal Mithal ..	Ditto ..	II
1801	Raj Narayan Saxena	Ditto ..	II
1802	Ram Chandra Kapoor ..	Ditto ..	III
1807	Randhir Singh Varma ..	Ditto ..	III
1809	Ratan Lal	Ditto ..	III
1811	Saiyid Aijaz Husain Rizwi ..	Ditto ..	III
1813	Santosh Kumar Sharma	Ditto ..	III
1814	Satish Chandra Gupta ..	Ditto ..	III
1816	Shanti Prashad Pathak ..	Ditto ..	III
1818	Sheikh Muhammad Salahuddin ..	Ditto ..	III
1821	Shiam Mukat Raizada ..	Ditto ..	III
1822	Shri Krishna Gupta	Ditto ..	II
1824	Sri Tir Bhawaneshwari Prasad ..	Ditto ..	III
1825	Triloki Nath	Ditto ..	III
1826	Vijai Singh Vadaya	Ditto ..	III
1828	Abhay Pada Banerjee ..	Ditto ..	III
1830	Badri Nath	Ditto ..	II
1833	Bharat Bhushan	Ditto ..	II
1834	Bharat Raj Bajaj	Ditto ..	II
1845	Habib Ahamd Faruqi	Ditto ..	III
1846	Hulas Chandra Jain*	Ditto ..	I
1848	Indra Mohan	Ditto ..	II

* Distinguished in Mathematics and Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1851	Jagdishwar Prasad Mital ..	Meerut College, Meerut.	II
1854	Kanhaiya Lal	Ditto ..	II
1855	Karam Singh	Ditto ..	II
1857	Lakshmi Narain Shankdhar ..	Ditto ..	II
1859	Mazhar Umar	Ditto ..	II
1860	Mritunjoy Kumar De ..	Ditto ..	II
1863	Munna Lal	Ditto ..	III
1864	Mutsaddi Lal	Ditto ..	II
1867	Nem Kumar Jain	Ditto ..	II
1868	Nikhil Krishna Ghosh ..	Ditto ..	
1870	Phul Chand	Ditto ..	III
1872	Prayag Sharan Shinghal ..	Ditto ..	I
1873	Raj Bahadur Saksena.. ..	Ditto ..	II
1875	Rajendra Prasad Saxena ..	Ditto ..	II
1876	Raj Kumar Bajpai	Ditto ..	III
1877	Rameshwar Lal Gupta ..	Ditto ..	II
1883	Riyaz Muhammad Khan ..	Ditto ..	III
1888	Shiam Sundar Lal Sharma ..	Ditto ..	II
1889	S. K. Anand	Ditto ..	III
1891	Shiva Shankar Lal	Ditto ..	III
1892	Shyam Sundar Lal	Ditto ..	II
1893	Sohan Lal Sharma	Ditto ..	III
1899	Triloki Nath (Secundus) ..	Ditto ..	III
1901	Umrao Singh Bhatnagar ..	Ditto ..	II
1902	Yagya Prasad Parti	Ditto ..	II

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1904	Kesho Das	Meerut College, Meerut.	Passed.
1904	Bhagwat Das	Government Intermediate College, Moradabad.	III
1909	Gokaran Dayal Saksena ..	Ditto ..	II
1911	Haqdad Khan	Ditto ..	III
1912	Harish Chandra Saxena ..	Ditto ..	II
1919	Madan Mohan Mathur ..	Ditto	II
1920	Mahmud Husain Khan ..	Ditto ..	III
1922	Mohan Lal Misra	Ditto ..	II
1927	Prayag Dat Pant	Ditto ..	III
1928	Radhe Shiam Vaish	Ditto ..	III
1930	Raghu Nandan Prasad Rastogi ..	Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1931	Ram Shankar Jaitly	Government Intermediate College, Moradabad.	II
1933	Ramesh Nandan Sinha ..	Ditto ..	III
1934	Rameshwar Prasad Rastogi ..	Ditto ..	III
1936	Ram Narain Gupta	Ditto ..	II
1937	Riyaz Uddin	Ditto ..	III
1938	Safdr Husain	Ditto ..	III
1939	Saiyid Hasan Atiqi	Ditto ..	III
1940	Saiyid Nihal Ahmad Rizvi ..	Ditto ..	III
1941	Saiyid Riaz Ahmad	Ditto ..	II
1942	Saiyid Zamir Husain.. ..	Ditto ..	III
1946	Umrao Dulah Khan Emazie ..	Ditto ..	III
1947	Wahajul Haq	Ditto ..	III
	Compartmental.—Under Regulation 18, Chapter XII of the Board's Regulations.		
1948	Vishun Prasad Bhatnagar ..	Government Intermediate College, Moradabad.	Passed.
1949	Babu Ram Gupta	N. R. E. C. Intermediate College, Khurja.	III
1950	Baleshwar Prasad Srivastava ..	Ditto ..	II
1952	Bansdeo Prasad Gangal ..	Ditto ..	III
1953	Beni Ram Gupta	Ditto ..	III
1955	Bishambhar Nath	Ditto ..	III
1956	Dilshad Nabi	Ditto ..	II
1957	Harish Chandra	Ditto ..	III
1958	Jagdish Prasad Saxena ..	Ditto ..	III
1959	Jwala Prasad Gupta	Ditto ..	III
1960	Kanchhi Lal	Ditto ..	III
1961	Kehar Singh	Ditto ..	I
1962	Kunwar Shiva Vansh Rao Nigam	Ditto ..	III
1965	Muhammad Daud Khan Kheshgi	Ditto ..	II
1966	Moti Ram Mittal	Ditto ..	II
1968	Prakash Vir Sharma	Ditto ..	III
1970	Raghunandan Singh Chauhan ..	Ditto ..	III
1971	Raizada Shyam Sundar Lal Saxena	Ditto ..	III
1973	Ram Gopal Gaglesh	Ditto ..	III
1974	Ram Prasad Singh	Ditto ..	III
1975	Ram Swarup Saxena	Ditto ..	III
1978	Tulsi Rama Sharma	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1979	Vijai Pal Singh Raghava ..	N. R. E. C. Intermediate College, Khurja.	III
1982	Abdul Rahman Khan.. ..	Ditto ..	II
1984	Chandra Prakash Mital ..	Ditto ..	II
1986	Girraj Singh Parswal	Ditto ..	II
1987	Har Lal Singh	Ditto ..	III
1988	Hari Shankar Gautam ..	Ditto ..	II
1989	Har Prasad*	Ditto ..	II
1990	Hukam Bahadur Singh ..	Ditto ..	III
1992	Om Saran Raizada	Ditto ..	II
1993	Prasadi Lal Gupta*	Ditto ..	II
1997	Ram Rich Pal Agarwal ..	Ditto ..	II
2000	Sugan Lal Mathur	Ditto ..	II
2005	Balkrishna Varshney † ..	S. M. Intermediate College, Chandausi.	II
2006	Banwari Lal Gupta	Ditto ..	III
2010	Chandrapal Varshney	Ditto ..	II
2012	Har Prasad Agarwala.. ..	Ditto ..	II
2013	Ishwar Saran Gupta	Ditto ..	III
2014	Jai Krishna Jain	Ditto ..	III
2015	Jai Narain Varshnei‡.. ..	Ditto ..	II
2016	Krishan Kumar Barseria ..	Ditto ..	III
2018	Kunwar Bahadur	Ditto ..	III
2019	Makkan Singh	Ditto ..	II
2020	Manmohan Dayal Chaturvedi ..	Ditto ..	II
2021	Mahesh Behari Lal Saxena ..	Ditto ..	III
2022	Narauttam Dutta Sharma ..	Ditto ..	III
2025	Ram Kumar Singh Yadava.. ..	Ditto ..	III
2026	Roop Narain Varma	Ditto ..	III
2027	Shambhoo Nath	Ditto ..	II
2028	Shambhoo Prasad Pujari‡ ..	Ditto ..	II
2029	Shivapal Singh	Ditto ..	III
2031	Shreemohan Gupta‡	Ditto ..	I
2032	Shri Prakash	Ditto ..	III
2033	Shri Ram Govila*	Ditto ..	I
2034	Vishweshwar Prasad	Ditto ..	III
2035	Abdul Jalil	Government Intermediate College, Ajmer.	III

*Distinguished in Chemistry.

†Distinguished in Mathematics and Chemistry.

‡Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2036	Albert Livingston David .	Government Intermediate College, Ajmer.	II
2037	Arjun Singh	Ditto ..	III
2039	Jagdeesh Narayan Mehra ..	Ditto ..	III
2041	Jawahir Lal Chobisa	Ditto ..	II
2046	Narayan Wasudeo Godbole ..	Ditto ..	III
2047	Pearey Lal Gupta	Ditto ..	III
2050	Ram Prashad Garg	Ditto ..	II
2051	Rikhab Chand Jaini	Ditto ..	III
2053	Umrao Mal Dhaddha	Ditto ..	III
2057	Behari Lal Mathur	Ditto ..	III
2059	Champa Lal Bogawat.. ..	Ditto ..	II
2060	Damodar Dass Mathur ..	Ditto ..	II
2061	Damodar Prasad Kaushik ..	Ditto ..	II
2062	Gangadhar Vishwanath Vaidya ..	Ditto ..	II
2064	Gulab Das Badgel ..	Ditto ..	III
2065	Harish Chandra Govel* ..	Ditto ..	I
2067	Henry Kenneth Prim ..	Ditto ..	III
2068	Krishna Chandra Gupta ..	Ditto ..	III
2071	Mehta Kamini Kumar Rai Vaid ..	Ditto ..	III
2075	Nand Lal Mathur (Secundus) ..	Ditto ..	III
2086	Sital Prasad Mittal	Ditto ..	III

Compartmental.—Under Regulation 18, Chapter XII of the Board's Regulations.

2087	Madan Gopal Sharma.. ..	Government Intermediate College, Ajmer.	Passed.
2088	Surat Singh Amtal	Ditto ..	Passed.
2089	Chatar Bhuj Sanadhya ..	Maharana's College, Udaipur.	III.
2090	Damoder Lal Khandelwal ..	Ditto ..	III
2091	Gulab Singh Bhatnagar ..	Ditto ..	III
2093	Indra Lal Gobhil Agrawal ..	Ditto ..	II
2094	Kesari Lal Tiwari	Ditto ..	III
2097	Lehar Singh Mehta	Ditto ..	II
2098	Manohar Lal Bapna	Ditto ..	III
2101	Radhey Shyam Joshi ..	Ditto ..	III
2102	Roop Lal Gandhi	Ditto ..	III
2104	Goti Lal Singatwaria	Ditto ..	II

*Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2105	Gulab Chand	Maharana's College, Udaipur.	III
2106	Hari Singh alias Hagami Lal Jat	Ditto ..	II
2107	Hem Shankar Nagar	Ditto ..	III
2109	Madan Sinha Kothari* ..	Ditto ..	II
2111	Muhammad Khalil-ullah Khan ..	Ditto ..	II
2112	Manoranjan Roy	Ditto ..	II
2131	Padam Singh Dosie	Ditto ..	III
2115	Ratan Lall Dashora	Ditto ..	III
2117	Sajjad Husain Paliwala ..	Ditto ..	III
2118	Sharaf Ali	Ditto ..	III
2119	Shyam Lall Bhatnagar* ..	Ditto ..	I
2122	Babu Lal	Victoria College, Gwalior.	II
2123	Balwant Vishnu Pitre ..	Ditto ..	III
2124	Bhagwan Swarup Verma ..	Ditto ..	III
2130	Brij Bhushan Saxena ..	Ditto ..	III
2134	Chintaman Govind Rao Pande ..	Ditto ..	III
2135	Dattatraya Vishnu Kulkarni ..	Ditto ..	III
2143	Hardatta Singh Sharma ..	Ditto ..	III
2146	Hari Narayan Araonker ..	Ditto ..	II
2147	Hari Vansh Lal Mahendra ..	Ditto ..	III
2151	Jang Bahadur Saxena ..	Ditto ..	III
2156	Kishan Lall Sharma	Ditto ..	III
2157	Krishna Ganpati Dube ..	Ditto ..	III
2161	Mahadeo Krishna Rao Sangole ..	Ditto ..	III
2162	Mahadeo Raghunath Tikekar ..	Ditto ..	III
2163	Mahendra Lall Dhir	Ditto ..	III
2164	Maruti Govindrao Keche ..	Ditto ..	III
2166	Murlidhar Shankar Rao Aras ..	Ditto ..	II
2169	Narayan Vishwanath Kanhere ..	Ditto ..	III
2171	Prakash Narain Gutch ..	Ditto ..	III
2173	Radhey Shyam Sharma ..	Ditto ..	III
2176	Ramchandra Dhondoji Satam ..	Ditto ..	II
2177	Ramchandra Yadaorao Choudhari	Ditto ..	III
2180	Ram Narain Dhody	Ditto ..	III
2182	Roshan Lall Gupta	Ditto ..	III
2193	Syed Muhammad Ahsan Rizvi ..	Ditto ..	III
2195	Vinayak Bhaskar Tambey ..	Ditto ..	III
2198	Vishnu Sawaleram Karpe ..	Ditto ..	III
2202	Vishwanath Trimbak Rao Pagnis	Ditto ..	III

*Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2208	Amolakchandra Jain	Indore Christian College, Indore.	II
2213	Bhai Shankar Pramanik ..	Ditto ..	III
2216	Bihari Vallabh Purohit ..	Ditto ..	III
2217	Damodar Ramchandra Gokhale ..	Ditto ..	III
2219	Dattaraya Krishna Abooj ..	Ditto ..	III
2220	Daya Ram Gargiga	Ditto ..	III
2222	Devidas Ramchandra Chimanpure	Ditto ..	III
2225	Dinker Rao Mandloi	Ditto ..	III
2226	Fazal Masih Nathaniel ..	Ditto ..	II
2227	Gajanan Bhikaji Shidhaye ..	Ditto ..	II
2229	Gajanan Vishanath Deolekar ..	Ditto ..	III
2230	Ganesh Nilkanth Joshi ..	Ditto ..	III
2234	George Baburao Shindhe ..	Ditto ..	II
2235	Gopilai Shrivastava	Ditto ..	III
2236	Govind Balkrishna Rao Kaskhediker	Ditto ..	II
2237	Govindrao Vinayakrao Khadikar	Ditto ..	III
2238	Govind Vinayak Mathakari ..	Ditto ..	III
2239	Govind Vishnu Deshmukh ..	Ditto ..	III
2240	Gulab Chand Sagunchand Jain ..	Ditto ..	III
2241	Hari Ramrao Deshpande ..	Ditto ..	III
2242	Hazari lal Balmukund Agarwal ..	Ditto ..	III
2243	Hukam Chand Jain	Ditto ..	II
2244	Inayat Ali Hasan Ali ..	Ditto ..	III
2249	Kashinath Sonaji Deshpande	Ditto ..	III
2251	Khanderao Durgashankar Joshi ..	Ditto ..	III
2252	Konkipudy Ramarao Naidu ..	Ditto ..	II
2254	Krishna Narhar Bhagwat ..	Ditto ..	III
2260	Laxmanrao Zangoji Lad ..	Ditto ..	III
2262	Mahadeo Narayan Limaye ..	Ditto ..	III
2263	Moti Lal Jain	Ditto ..	II
2264	Munna Lal Parmanand Singhai ..	Ditto ..	III
2265	Nand Kishore Acharya ..	Ditto ..	III
2266	Narayan Dagadoo Patil ..	Ditto ..	III
2267	Narayan Krishnaji Khale ..	Ditto ..	III
2270	Nathoo Sonaji Sonwane ..	Ditto ..	III
2272	Onkar Shiorao Deshpande ..	Ditto ..	III
2275	Pannalal L. Bhandari.. ..	Ditto ..	II
2276	Phool Chandra Panchratan ..	Ditto ..	III
2278	Prabhakar Anant Padalker ..	Ditto ..	III
2279	Prabhakar Madhaorao Deshpande	Ditto ..	II
2280	Puranji Hari Nawkar ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2284	Raghunath Wamanrao Lanke ..	Indore Christian College, Indore.	III
2286	Ramchandra Motiram Naphade ..	Ditto ..	III
2287	Ramchandra Shukla	Ditto ..	III
2291	Ranchhod Rai Ghairia	Ditto ..	III
2292	Samirmal Ratanlalji Surana ..	Ditto ..	III
2293	Sambhudayal Sanghi ..	Ditto ..	II
2294	Shamrao Ramrao Deshmukh ..	Ditto ..	III
2296	Shanker Ramchandra Mardiker ..	Ditto ..	III
2299	Shri Chandra Jain ..	Ditto ..	III
2301	Shri Vallabh Gupta	Ditto ..	III
2302	Sita Charan Barod	Ditto ..	III
2303	Sohan Lal Vyas	Ditto ..	III
2305	Sushila Madhava Kibe (Miss) ..	Ditto ..	III
2306	Timothy Morris David ..	Ditto ..	III
2307	Tukaram Vishnu Kalkar ..	Ditto ..	III
2310	Vasant Shivaram Durve ..	Ditto ..	III
2311	Vinayak Rang Nath Sakle ..	Ditto ..	II
2316	Yashwant Pandurang Patil ..	Ditto ..	III
2317	Ganesh Moreshwar Wadodkar ..	Ditto ..	III
2321	Anand Rao Gopalrao Puranik ..	Holkar College, Indore.	III
2322	Anant Sadashiv Patwardhan ..	Ditto ..	II
2323	Baboolal Sookhlal Pardeshi ..	Ditto ..	III
2324	Balkrishan Rambhan Thackar ..	Ditto ..	III
2325	Baswant Yeswantrao Deshmukh	Ditto ..	III
2328	Bhimsinha Raghunathsinha Chaudhary	Ditto ..	III
2329	Brindaban Shukla	Ditto ..	III
2331	Darshan Singh	Ditto ..	III
2332	Dattatraya Hari Oke	Ditto ..	II
2333	Dattatray Vishnu Dhoble. ..	Ditto ..	III
2335	Dhannalal Pannalal Thakur ..	Ditto ..	III
2336	Dinkar Madhaorao Pagnis ..	Ditto ..	III
2337	Fatteshing Vithoji Shirke	Ditto ..	III
2339	Ganesh Madhao Shendurnikar ..	Ditto ..	III
2340	Ganesh Raoli Rege	Ditto ..	III
2344	Gopalrao Narayanrao Deore ..	Ditto ..	III
2352	Jayavant Rao Vinayak Rao Talcherkar. ..	Ditto ..	III
2353	Kazi Abdul Majid	Ditto ..	III
2354	Kazi Muhammad Yusuf Ali Khan	Ditto ..	III
2355	Keshao Sadashiv Kaveeshwar ..	Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division*
2358	Laxman Balkrishna Deshpande ..	Holkar College, Indore.	III
2359	Laxman Bhikajee Naik	Ditto ..	III
2360	Laxman Krishna Aurangabadkar	Ditto ..	III
2361	Laxman Kishandas Mahajan ..	Ditto ..	III
2364	Mahabir Pershad Bhatnagar ..	Ditto ..	III
2365	Mahboob Husain	Ditto ..	III
2366	Mahadeo Anand Rao Vyas ..	Ditto ..	III
2368	Manglakant R. Tiwari..	Ditto ..	III
2370	Martand Rao Bhika Lalge ..	Ditto ..	III
2373	Muhammad Aitezad Ahmed Khan	Ditto ..	III
2375	Moreshwar Waman Moghe ..	Ditto ..	III
2376	Mukund Shripad Patil	Ditto ..	III
2378	N. R. Gangadhar	Ditto ..	III
2380	Namdeo Atmaram Shinde ..	Ditto ..	III
2381	Narayan Fakirrao Mhaske. ..	Ditto ..	III
2382	Narayan Mahadeo Ketkar ..	Ditto ..	III
2389	Quyam ud-din	Ditto ..	III
2390	Raghubir Parashuram Deshpande	Ditto ..	III
2392	Ram Bharose Tiwari	Ditto ..	III
2394	Ramchandra Dhanna Lal Joshi ..	Ditto ..	III
2396	Ramchandra Keshava Pandit ..	Ditto ..	III
2399	Ramanarayan Someshwar Dube ..	Ditto ..	III
2401	Ram Gopal Inani	Ditto ..	III
2402	Ranjeet Singh	Ditto ..	III
2403	Rao Sahib Hanmant Rao Mohite..	Ditto ..	III
2404	Sadashiva Bhaskar Nemawarkar	Ditto ..	III
2411	Shankar Narayan Agashe.. ..	Ditto ..	III
2414	Shankar Wasudeo Kapse	Ditto ..	III
2416	Shanti Prasad Varma ..	Ditto ..	II
2417	Shiva Narayan Kapoor	Ditto ..	III
2418	Shriniwas Yeshwantrao Dighe	Ditto ..	III
2420	Shrikrishna Vaman Pant Vaidya	Ditto ..	III
2423	Syed Tasadduq Ali	Ditto ..	III
2425	Trikam Lal Kanahya Lall ..	Ditto ..	II
2430	Vithal Shridhar Chintaman ..	Ditto ..	III
2431	Waman Narayan Pendharker ..	Ditto ..	II
2433	Wasudeo Ramakrishna Gokhale ..	Ditto ..	II
2434	Wasudeo Yashwant Pande ..	Ditto ..	II
2435	Bhalchandra Wasudeo Kaveeshwar	Ditto ..	III
2436	Bhasker Chintaman Dewal	Ditto ..	III
2438	Brajendra Kumar Joshi ..	Ditto ..	III
2439	Chintaman Prashuram Deshpande	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College*	*Passed in division.*
2440	Ganesh Madhav Chaphekar ..	Holkar College, Indore.	II
2443	Gopal Devidas Ansingkar ..	Ditto ..	III
2445	Gourishankar Ganpat Lal Shreemali.	Ditto ..	II
2446	Govind Dattatraya Gharpure ..	Ditto ..	II
2452	Keshav Ranganath Deo* ..	Ditto ..	II
2454	Krishnajee Dattatraya Ranade ..	Ditto ..	II
2455	Krishnajee Sadashiva Khare ..	Ditto ..	II
2456	Madho Vinayak Vaidya ..	Ditto ..	III
2458	Mahendra Narayan Deendayal Awasthi.	Ditto ..	II
2460	Narayan Prasad Jain ..	Ditto ..	II
2461	Narayan Raghunath Newaskar† ..	Ditto ..	II
2462	Narayan Vinayak Vaidya ..	Ditto ..	II
2463	Padmanabha Mahadeo Sule* ..	Ditto ..	II
2464	Prabhakar Kondopant Phatak ..	Ditto ..	III
2466	Roop Singh	Ditto ..	III
2469	Trimbak Ramchandra Parchure ..	Ditto ..	II
2471	Vishnu Mukand Taranekar ..	Ditto ..	II
2472	Vishnoo Narayan Dabir ..	Ditto ..	III
2473	Vishwanath Narhar Adsule ..	Ditto ..	III
	Compartmental.—Under Regulation 18, Chapter XII of the Board's Regulations.		
2475	Lal Mohan Dos	Holkar College, Indore.	Passed.
2478	Abid Husain	Maharaja's College, Jaipur.	III
2480	Amar Narain Mathur ..	Ditto ..	III
2485	Balchandra Vaidya	Ditto ..	III
2486	Bhawani Shankar Sharma ..	Ditto ..	III
2487	Bijay Singh Panwar	Ditto ..	III
2489	Chhattar Singh	Ditto ..	III
2490	Dwarka Prasad Sharma ..	Ditto ..	III
2492	Ganga Prasad Bhargava ..	Ditto ..	III
2493	Gopal Lall Purohit	Ditto ..	III
2494	Gopal Narain Saxena ..	Ditto ..	II
2496	Gouri Lal Jain	Ditto ..	III
2497	Hari Das Sharma	Ditto ..	III
2499	Hari Shankar Bhargava ..	Ditto ..	II
2502	Jagdish Narayan Mathur ..	Ditto ..	III

*Distinguished in Chemistry.

†Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2504	Kanahya Lal Gupta	Maharaja's College, Jaipur.	III
2505	Krishna Gopal Sharma ..	Ditto ..	II
2506	Kunj Bihari Lal	Ditto ..	III
2507	Maheshwar Nath Tankhwah ..	Ditto ..	III
2510	Manzoor Husain	Ditto ..	II
2511	Mathura Prasad Sharma ..	Ditto ..	II
2512	Md. Ikram Ali Khan	Ditto ..	III
2515	Mool Chand Goswami ..	Ditto ..	III
2517	Muhammad Ghulam Abid Siddiqi	Ditto ..	III
2518	Nasrullah Khan	Ditto ..	II
2519	Nawal Kishore Bhargava ..	Ditto ..	III
2521	Phanindranath Banerji ..	Ditto ..	III
2522	Puran Singh Thapa	Ditto ..	III
2523	Radha Mohan Lall Mathur ..	Ditto ..	III
2525	Raikh Singh Khatri	Ditto ..	II
2528	Ram Naram Jhalani	Ditto ..	III
2529	R. B. Nar Singh Das Haldia ..	Ditto ..	III
2530	Roop Narayan Mathur ..	Ditto ..	III
2532	Shri Chandra Jain	Ditto ..	III
2537	Shyambehari Lall Saxena ..	Ditto ..	II
2539	Syed Abdulla	Ditto ..	III
2540	Syed Bashir Husain ..	Ditto ..	II
2541	Syed Hasan Mujtaba	Ditto ..	II
2542	Vidya Prakash Kala	Ditto ..	II
2543	Anand Swaroop Bhatnagar ..	Ditto ..	II
2544	Asok Kumar Sen*	Ditto ..	I
2546	Bansi Lal Jain (Luhadiya) ..	Ditto ..	II
2548	Chandra Mani Shrotriya ..	Ditto ..	II
2549	Durga Prasad Rastogi† ..	Ditto ..	I
2550	Hari Narain Jain	Ditto ..	III
2552	Jai Bahadur Singh Gurkha ..	Ditto ..	III
2557	Muhammad Akhtar	Ditto ..	III
2560	Probhat Coomar Das	Ditto ..	II
2561	Ratna Lall Shrivastava ..	Ditto ..	II
2562	Shri Govind Tewari	Ditto ..	III
2563	Shyam Narayan Bhargava ..	Ditto ..	III
2565	Vishnu Datta	Ditto ..	II

*Distinguished in Chemistry.

†Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
2566	Chunni Lal Batra ..	.. Maharaja's College, Jaipur.	Passed.
2569	Bakhtawar Mal Kothary	.. Jaswant College, Jodhpur.	II
2570	Bhanwar Lall Mangal..	.. Ditto ..	III
2571	Dashrath Mal Singhvi	.. Ditto ..	III
2572	Fateh Roop Rai ..	.. Ditto ..	III
2574	Ganpat Lall Rawut ..	.. Ditto ..	III
2575	Gopi Nath S. Rai ..	.. Ditto ..	III
2576	Govind Mal Mehta ..	.. Ditto ..	III
2577	Govind Singh Baish ..	.. Ditto ..	III
2578	Gulab Singh ..	.. Ditto ..	III
2580	Iqbal Nath Kaul ..	.. Ditto ..	III
2581	Jayanti Prasad Gour ..	.. Ditto ..	III
2585	Kapoor Chand Mehta	.. Ditto ..	II
2586	Kishan Mal ..	.. Ditto ..	III
2587	Lakshmi Narayan Chhangoni	.. Ditto ..	II
2589	Maharatna ..	.. Ditto ..	III
2590	Mahesh Chandra ..	.. Ditto ..	II
2591	Mehtab Chand Mehta	.. Ditto ..	III
2593	Mool Singh Rathore (Mertia)	.. Ditto ..	III
2596	Poonam Chand Bohra	.. Ditto ..	III
2598	Radha Krishana Lohra	.. Ditto ..	III
2602	Sugan Lal Rai ..	.. Ditto ..	III
2603	Sugyan Chandra Bhandari	.. Ditto ..	III
2604	Sumer Mal Jain ..	.. Ditto ..	III
2606	Swami Keshava Puri ..	.. Ditto ..	III
2607	Taj Behari Lall Mathur	.. Ditto ..	II
2609	Zorawar Mal Mehta ..	.. Ditto ..	II
2613	Behari Lal Sharma Palhaur	.. Private candidates. Centre— Radhaswami Educational Institute, Agra.	III
2614	Bridhi Lal Sethi ..	.. Ditto ..	III
2615	Bishan Raj Singhi ..	.. Ditto ..	III
2621	Chiranji Lal Jain ..	.. Ditto ..	III
2623	Drona Charya Sharma	.. Ditto ..	III
2636	M. A. Latif ..	.. Ditto ..	II
2647	Pancham Lal Chaturvedi	.. Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2648	Parsadi Lal Sharma	Private candidates. Centre.— Radhaswami Educational Institute, Agra.	III
2650	Raghubar Dayal Srivastava ..	Ditto ..	II
2652	Raghunath Shankar Bhatnagar ..	Ditto ..	II
2654	Ram Sharan Vidyarthi ..	Ditto ..	III
2655	Ram Swaroop Sinha	Ditto ..	III
2660	Saiyid Kamal-ud-din Ahmad ..	Ditto ..	III
2661	Sant Prasad Satsangi ..	Ditto ..	III
2663	Shiam Chander Joshi ..	Ditto	III
2667	Surajdeo Prasad ..	Ditto ..	III

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

2671	Ratan Lal Gupta	Private candidates. Centre.— Radhaswami Educational Institute, Agra.	Passed.
2675	Ajodhya Prasad Ambist ..	Private candidates Centre—Government Intermediate College, Allahabad.	III
2677	Ambika Prasad	Ditto ..	III
2680	Bakhtawar Singh Sharma ..	Ditto ..	III
2684	Brijnandan Lal Bhatnagar ..	Ditto ..	III
2696	Jagdamba Prasad	Ditto ..	III
2697	Jagadish Chandra Chakravarti ..	Ditto ..	III
2699	Jyoti Narain Varma ..	Ditto ..	III
2700	Kanhaiya Lal Sharma ..	Ditto ..	III
2703	Krishna Prasad Malaviya ..	Ditto ..	II
2704	Kunwar Brajraj Singh ..	Ditto ..	III
2710	Manik Lal Ghosh ..	Ditto ..	III
2711	Mannu Lal Dubey	Ditto ..	III
2724	Raj Bahadur Lal Varma ..	Ditto ..	III
2725	Rajeshwari Prasad Sinha ..	Ditto ..	III
2728	Ramadhar Shukla	Ditto ..	II
2730	Ram Piare Lall Srivastava ..	Ditto ..	III
2734	Saiyid Mulazim Husain ..	Ditto ..	III
2735	Sajan Lal Sadh	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2738	Shankar Bahadur ..	Private candidates. Centre.—Government Intermediate College, Allahabad.	III
2739	Shib Singh Ratan Singh ..	Ditto ..	III
2742	Shital Prasad Vaish	Ditto ..	III
2746	Sudarshan Shukla	Ditto ..	III
2750	Vasantarao alias Anand Rao Raghunath Rao Khedkar.	Ditto ..	III

Compartmental.—Under Regulation 18, Chapter XII of the Board's Regulations.

2755	Shio Kumar Pandey	Private candidates. Centre—Government Intermediate College, Allahabad.	Passed.
2762	Banarsi Lal Tewari	Private candidates. Centre.—Bareilly College, Bareilly.	III
2764	Gopal Narayan Saxena ..	Ditto ..	III
2774	Roshan Lal	Ditto ..	III
2780	Shyama Charan Misra ..	Ditto ..	III
2790	Anand Sharma Regmi ..	Private candidates. Centre.—Queen's Intermediate College, Benares.	III
2793	Bhrigunath Pandey	Ditto ..	III
2794	Baldeo Rai	Ditto ..	III
2799	Chandrika Prasad Misra ..	Ditto ..	III
2801	Gauri Shanker Lal	Ditto ..	III
2802	Ganpati Ram Chandra Nasery ..	Ditto ..	II
2803	Hari Shankar Lal	Ditto ..	III
2809	Laxman Dass	Ditto ..	III
2813	Manmatha Nath Chatterji ..	Ditto ..	III
2815	Narain Das Gupta ..	Ditto ..	III
2823	Ram Nandan Pande	Ditto ..	III
2831	Shiva Murat Singh	Ditto ..	III
2832	Sadaphal Pande	Ditto ..	III
2834	Somnath Chaube	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
2837	Alopi Prasad	Private candidates Centre—Queen's Intermediate College, Benares.	Passed.
	Under Regulation 7, Chapter XIV of the Board's Regulations.		
2838	Abu Yahya Mohamed Abdul Matin	Private candidates Centre.—Queen's Intermediate College, Benares.	Passed.
2842	Balbadar Kumar Srivastava ..	Private candidates Centre— Christ Church College, Cawnpore.	III
2843	Baijnath Prasad*	Ditto ..	II
2846	Babu Ram	Ditto ..	III
2853	Jafar Ali	Ditto ..	II
2854	Kedar Nath Vajpei	Ditto ..	III
2856	Madhawa Prasad Tiwari ..	Ditto ..	III
2864	Padam Kishen Das	Ditto ..	III
2869	Rup Narain Sharma	Ditto ..	III
2872	Shiv Datt Parashar	Ditto ..	III
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
2880	Harish Chandra Varma ..	Private candidates Centre—Christ Church College, Cawnpore.	Passed.
2881	Sambhu Dayal Agarwala ..	Ditto ..	Passed.
2882	Shri Krishna Singh	Ditto ..	Passed.
	Appearing in additional optional subject.		
2905	Krishna Swarup Bhatnagar ..	Private candidates Centre.—D. A. V. Intermediate College, Dehra Dun.	Passed.
2907	Kanhaiya Lal Bajpai ..	Private candidates Centre—Government Intermediate College, Etawah.	III
2908	Mohammad Khalil-ullah Qureshei	Ditto ..	

*Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2913	Ali Husain Khan ..	Private candidates Centre.—Government Intermediate College, Fyzabad.	III
2919	Prayag Prasad Dube	Ditto ..	III
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
2921	Rajiva Lochan Singh ..	Private candidates Centre—Government Intermediate College, Fyzabad.	Passed.
2924	Abdur Rahman	Private candidates. Centre—St. Andrew's College, Gorakhpur.	II
2937	Rajdeo Ram Yadav	Ditto ..	III
2939	Sukhdeo Pandey	Ditto ..	III
2941	Sakhraj Lal	Ditto ..	III
2952	Nand Kishore Jain	Private candidates. Centre.—Government Intermediate College, Jhansi.	III
2957	Chandravati Johari (Miss) ..	Private candidates. Centre—Isabella Thoburn College, Lucknow.	III
2964	Guru Das Nigam	Private candidates. Centre.—Government Jubilee Intermediate College Lucknow.	II
2981	Narottam Singh Bais	Ditto ..	III
2982	Onkar Narain Chitravanshi ..	Ditto ..	III
2986	Ram Kumar Dikshit	Ditto ..	II
2989	Rup Krishna Chakbast ..	Ditto ..	III
2997	Saiyid Muhammad Hasan Khan ..	Ditto ..	II
2998	Saiyid Hasan Akhtar Rizvi ..	Ditto ..	III
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
3011	Mool Chandra Singh	Private candidates. Centre—Government Jubilee Intermediate College.	Passed.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
	Under Regulation 7, Chapter XIV of the Board's Regulations.		
3013	Ahmad Adhami ..	Private candidates. Centre.—Government Jubilee Intermediate, College, Lucknow.	Passed.
3014	Chiranji Lal Sharma	Ditto ..	Passed.
3021	Ajodhya Prasad	Private candidates. Centre.—Meerut College, Meerut.	II
3026	Balbir Singh Verma	Ditto ..	III
3029	Chandra Mul Agarwala ..	Ditto ..	III
3032	Debi Dayal Gupta	Ditto ..	III
3033	Daya Prakash	Ditto ..	III
3034	Ghulam Mustafa	Ditto ..	II
3041	Har Saran Dass Kamboh ..	Ditto ..	II
3048	Krishna Dev Sharma ..	Ditto ..	II
3049	Keshava Prasada Gupta ..	Ditto ..	II
3059	Nihal Singh	Ditto ..	III
3062	Pyaray Lal Shrotriya ..	Ditto ..	III
3069	Ram Nath Gupta	Ditto ..	III
3073	Saiyid Husain	Ditto ..	III
3076	Said Ahmad Rashid	Ditto ..	III
3078	Shiva Nath Singh Tiagi ..	Ditto ..	III
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
3084	Jagdish Prasad Gupta ..	Private candidates. Centre.—Meerut College, Meerut.	Passed.
	Under Regulation 7, Chapter XIV of the Board's Regulations.		
3087	Shadi Ram Mittal	Private candidates. Centre.—Meerut College, Meerut.	Passed.
3088	Sharf-ud-din	ditto ..	Passed.
3090	Augustine Dominic	Private candidates. Centre.—Government Intermediate College, Moradabad.	II
3091	Arthur John Beanland ..	Ditto ..	III
3092	Chandra Swarup	Ditto ..	III
3094	Ganga Datt Pant	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
3097	Jaswant Lal Sharma	Private candidates. Centre—Government Intermediate College, Moradabad.	III
3099	Lakshmi Saran Mathur ..	Ditto ..	III
3100	Muhammad Mashood Hasan ..	Ditto ..	III
3101	Muhammad Naim	Ditto ..	III
3105	Sayed Ghaus Ahmad	Ditto ..	III

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

3111	Saiyid Naushah Husain Naqvi ..	Private candidates. Centre—Government Intermediate College, Moradabad.	Passed.
3112	Saiyid Irtaza Khan Naqvi ..	Ditto ..	Passed.
3119	Charan Singh	Private candidates. Centre—N. R. E. C. Intermediate College, Khurja.	III
3124	Kanhaiya Lal	Ditto ..	III
3129	Naunidh Rai	Ditto ..	III
3133	Shri Chandra Gangal	Ditto ..	III

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

3134	Jai Swarupa Sharma	Private candidates. Centre—N. R. E. C. Intermediate College, Khurja.	Passed.
3135	Nepal Singh	Ditto ..	Passed.
3138	Abdul Qayyoom Khan	Private candidates. Centre—Government College, Ajmer.	II
3139	Akbar Mohammad	Ditto ..	III
3143	Bansi Dhar Jaria	Ditto ..	II
3144	Deo Datta Sharma	Ditto ..	III
3153	Mohamed Idrees	Ditto ..	III
3160	Uma Shanker Varma ..	Ditto ..	III
3161	Vop Dev Sharma	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
3162	Ramindra Singh Jhajj ..	Private candidates. Centre—Government College, Ajmer.	Passed
3170	Deojit Singh	Private candidates. Centre—Victoria College, Gwalior.	III
3173	Jai Narain Varma	Ditto ..	III
3179	Madhava Ram Chandra Moghey ..	Ditto ..	III
3180	Purshottam Martand Newaskar ..	Ditto ..	III
3181	Raghunandan Lal Bhatnagar ..	Ditto ..	II
3187	Abdul Rahim Siddiqi ..	Private candidates. Centre—Indore Christian College, Indore.	III
3188	Autar Kishan Gurtu	Ditto ..	III
3197	Behari Lal Surali	Ditto ..	III
3200	Chintamani Narayan Desai ..	Ditto ..	III
3202	Gajanan Dhondadeo Mulye ..	Ditto ..	II
3205	Hazari Lal	Ditto ..	III
3215	Motilal Shreemar	Ditto ..	III
3219	Nilkantha Vinayak Mulye ..	Ditto ..	III
3224	Raghunath Balkrishna Dingre ..	Ditto ..	III
3226	Raghunath Atmaram Sanglikar. ..	Ditto ..	II
3233	Shankar Amrit Bhalerao ..	Ditto ..	III
3239	Sobhag Mal M. Jain	Ditto ..	II
3240	Satyawant Shukla	Ditto ..	III
3242	Vasanti Amritrao Gulgule (Miss)..	Ditto ..	III
3245	Venkatesh Babaji Barwe ..	Ditto ..	III
3246	Wilfred Singh	Ditto ..	III
3253	Bannu Singh alias Banney Singh ..	Private candidates. Centre—Maharaja's Intermediate College, Jaipur.	III
3256	David Loyal	Ditto ..	III
3264	Govind Prasad	Ditto ..	II
3265	Gaj Raj Ojha	Ditto ..	III
3273	Kunwarlal Asopa ..	Ditto ..	III
3278	Murari Lal Sharma	Ditto ..	III
3279	Mata Din Gupta	Ditto ..	III
3280	Man Singh Sharma	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
3283	Prayag Chandra Agarwal	.. Private candidates. Centre—Maharaja's Intermediate College, Jaipur.	II
3284	Pratap Narain Kak ..	.. Ditto ..	II.
	Appearing in an additional optional subject.		
3300	Fakir Chand Sharma ..	.. Private candidates. Centre—Maharaja's Intermediate College, Jaipur.	Passed.

APPENDIX H.

List of apparatus and chemicals for an Intermediate College and a High School.

Section A.

(For 24 boys in a class.)

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	PHYSICS (GENERAL).
12 ..	12 ..	Balances, 250 g.m. in cases, beams graduated.
12 ..	12 ..	Weight Boxes from 1 g.m. to 100 g.m.
2 ..	12 ..	Ditto ·001 g.m. to 100 g.m.
4 ..	4 ..	Spring balance, to weigh 10 lb.
2 sets.	2 sets.	Weights, ¼ oz. to 1 lb.
2 doz.	2 doz.	Half Metre Rules, Maple Wood, cm. on one side and inches on the other.
1 ,,	2 ,,	Metre Rules, ditto.
..	2 ..	Screw Gauges, ordinary.
..	2 ..	Ditto good quality, with ratchet.
..	6 ..	Clamp Pulleys, brass.
1 doz.	1 doz.	Protractors, brass, ordinary.
..	4 ..	Hare's apparatus, simple form.
1 doz.	1 doz.	Stools for specific gravity experiments.
16 only	16 only	Bunsen Burners or Spirit Lamps.
2 doz.	2 doz.	Retort stands, with clamps, small; base 7″×4 with rod 24″.
2 ,,	2 ,,	Tripods, triangular top.
1 lb.	2 lb.	Lead shot.
1 ,,	2 ,,	Mercury pure.
1 ..	1 ..	Mercury Tray.
..	10 ft.	Rubber tubing, thin, 1/8″ pressure.
2 doz.	3 doz.	Flasks, flat-bottom, 200 C.C.
1 ,,	1 ,,	Ditto 100 C.C.
2 ,,	3 ,,	Ditto 500 C.C.
3 ,,	3 ,,	Beakers, with spout, ht. 6 cm. cap. 100 C.C.
3 ,,	3 ,,	Ditto ht. 9 cm. 250 C.C.
..	1 ,,	Ditto ht. 14°5 cm. 1,000 C.C.
1 gross	1 gross	Corks, assorted.
5 lb.	5 lb.	Glass tubing 5 m.m., 8 m.m. and 10 m.m.
..	1 ,,	Glass rod.
..	1 ,,	Thermometer tubing.
1 gross	1 gross	Test-tubes, 5″×5/8″.
2 only	2 only	Relative density bottles (small flasks can be used).
1 doz.	1 doz.	Graduated jars, 100 C.C.
..	6 only	Vernier Callipers.
..	4 ,,	Spherometers.
..	2 ,,	Pendulums for " G " experiments.

Section A—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	PHYSICS (GENERAL)—(*continued*).
..	1 set	Pulley System.
..	6 only	Hooks Law apparatus (cheap form).
..	1 ,,	Fortins Barometer (student's form)
..	2 ..	Stop-watches (cheap form).
..	3 ..	Hydrometers.
12 pairs	12 pairs	Compasses.
4 ,,	4 ,,	Scissors.
2 reels	2 reels	Linen thread no. 30.
12 pairs	12 pairs	Inside and Outside Callipers, graduated.
2 quires	2 quires	M. M. Square paper, 9″×7″ (nearly).
2 ,,	2 ,,	Squared paper in inches and tenths of an inch.
12 ..	12 ..	Set-squares, 60°.
12 ..	12 ..	Set-squares, 45°.
24 ..	24 ..	Cubes truly cut in hardwood, 1 cm. edge.
3 ..	3 ..	Ditto 4 cm. do.
1 ..	1 ..	Cube truly cut in hardwood 10 cm. do.
1 ..	1 ..	Ditto 1 ft. do.
3 ..	3 ..	Rectangular blocks (wood) graduated in inches, 4″×3″×1″.
3 ..	3 ..	Ditto ditto 4″×3″×2″.
3 ..	3 ..	Ditto ditto 4″×3″×4″.
24 ..	24 ..	Cylinders truly cut in hardwood, dia. 3 cm. and height 5 cm.
3 ..	3 ..	Spheres truly cut in hardwood, dia. 4 cm.
1 ..	1 ..	Wooden rectangular prism, 5×4×3 cm., graduated in cm., top layer, one row and one cube removable.
6 ..	6 ..	Graduated glass cylinders, 500 C.C. Ditto 300 C.C. Ditto 50 C.C. } 2 each.
1 ..	1 ..	Litre glass jugs, graduated.
1 ..	1 ..	Pint ditto.
2 sets	2 sets	Small cylinders of iron, brass, copper, and tin, of the same dimensions.
2 ,, ..	2 ,, ..	Small cubes of iron, brass, copper, and tin, of the same dimensions.
1 set ..	1 set ..	Brass bucket and cylinder for verification of Archimedes' principle.
12 ..	12 ..	Tin chimneys for spirit lamps, if required.
12 ..	12 ..	Clay-pipe triangles.
16 pieces	16 pieces	Wire gauze, 6″ square, 30 meshes.
12 ..	12 ..	Iron tongs, 6″ long, plain.
12 ..	12 ..	Glass Flasks, round bottom, 500 C.C.

Section A—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	
		PHYSICS (GENERAL)—(*concluded*).
12	12 ..	Test-tube stands, cheap form, 8 holes, with pegs.
24 ..	24 ..	Test-tube cleaners with I. R. ends.
1 ..	1 ..	Hollow tin cone, height 8″, diameter of base 4″.
1 ..	1 ..	Hollow tin cylinder, height 8″ ditto 4″.
		HEAT.
1 ..	1 ..	Gravesande's Ball and Ring.
1 ..	2 ..	Linear Expansion Apparatus.
1 ..	1 ..	Compound bar of brass and iron.
..	2 ..	Boyle's Law Apparatus.
..	1 ..	Regnault's Hygrometer.
1 doz	1 doz.	Copper Calorimeter Cans and Shields.
1 ..	1 ..	Six's Maximum and Minimum Thermometer.
1 ..	1 ..	Convection Apparatus.
1 ..	1 ..	Compensated Pendulum.
..	1 set ..	Leslie's Cubes.
..	1 ..	Dry wet Bulb Hygrometer, Mason's.
1 doz.	1 doz.	Thermometers, 220° F. in wooden case.
1 ,,	2 ,,	Ditto 110° C. ditto (divided into $\frac{1}{2}$°)
..	1 only	Ditto 360° C. ditto.
1 doz.	1 doz.	Ungraduated Thermometers.
1 ,,	1 ,,	Steam Boilers, tin.
1 ..	1 ..	Davy's Safety Lamp.
..	3 ..	Hypsometers, Tin.
1 ..	1 ..	Air Thermometer.
..	1 ..	Bunsen ice calorimeter, simple form, 6″.
..	3 ..	Glazebrook and Shaw's Sp. heat apparatus.
..	1 ..	Hope's Apparatus, tin.
1 ..	1 ..	Bar and Gauge to show expansion of metal bar.
1 ..	1 ..	Contraction Apparatus.
1 doz.	1 doz.	White card board sheets 1′ square.
2 lb. ..	2 lb. ..	Thin tin sheet.
1 ..	1 ..	Rod half brass and half wood, for conduction experiment.
1 ..	1 ..	Rod of copper and 1 rod of iron, each 1′ long and $\frac{1}{4}$″ diameter.
1 doz.	1 doz.	Marbles.
3 ..	3 ..	Chimneys, glass 1″ dia. at bottom.
		LIGHT.
..	1 ..	Telescope, Student's cheap.
1 ..	1 ..	Pinhole, Camera.
6 ..	6 ..	Concave Mirror, 2″ dia.
..	1 ..	Wire Pyramid (to show inverse square).

Section A—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	LIGHT—(*continued*).
1 doz.	1 doz.	Glass Cubes, or slabs.
1 „ ..	1 „ ..	Prisms, right-angled.
..	1 „	Convex Lenses, double, 2″.
1 doz.	1 „ ..	Lens holders.
1 ..	1 ..	Newton's colour disc.
..	3 ..	Optical benches with accessories (cheap form).
..	1 ..	Spectrometer (cheap form).
..	1 ..	Nicol prism.
..	1 ..	Tourmaline Tongs.
1 doz.	1 doz.	Strips of mirror glass 4″×1″ (thin).
1 ..	1 ..	Sheet pins.
6 ..	6 ..	Cheap spectacle lenses with rough edges, concave, about 20 cm. focus.
6 ..	6 ..	Cheap spectacle lenses with rough edges, convex about 20 cm. focus.
1 ..	1 ..	Packet candles.
1 doz.	1 doz.	Candle holders, mounted on wooden base.
1 „ ..	1 „	Sc een holders, ditto itto.
		SOUND.
..	3 ..	Sonometers with spring balance.
..	2 ..	Resonance Apparatus.
..	6 ..	Tuning forks.
..	1 ..	Siren.
..	1 set ..	Organ pipes.
		MAGNETISM AND ELECTRICITY.
1 doz.	1 doz.	Pocket magnetic compasses.
..	3 only	Deflection Magnetometers.
..	3 ..	Vibration Magnetometers.
..	6 ..	Horse-shoe Magnets, 4″.
..	1 ..	Mariner's Compass.
..	1 ..	Leyden Jar with movable coatings.
1 ..	2 ..	Ebonite sheet, 3 and 6 mm. thick.
1 ..	1 ..	Wimshurts Machine, glass disc., 10″.
1 ..	2 ..	Electroscopes, cheap pattern, flask.
1 ..	1 ..	Ditto wooden model.
..	1 ..	Biot's Apparatus.
..	1 ..	Faraday's Ice Pail, set of four.
1 ..	2 ..	Daniel's Cells.
1 doz.	1 doz.	Leclanche's Cells, complete.
1 ..	2 ..	Bunsen's cells.
..	2 doz.	Terminals.

Section A—*(continued).*

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

A	B	MAGNETISM AND ELECTRICITY—*(concluded).*
2 doz.	2 doz.	Binding Screws.
..	1 only	Copper Voltameter.
1 ..	1 ..	Voltameter for electrolysis of water.
½ lb. ..	2 lb. ..	Copper sulphate.
½ „ ..	1 „ ..	Zinc sulphate.
3 ..	3 ..	Sal Ammoniac.
..	2 ..	Galvanometers—Tangent.
..	2 ..	Mirror Galvanometers (Steward); with lamps and scale.
..	1 ..	D'Arsonval Galvanometer.
..	4 ..	Wheatstone Bridges, cheap.
1 ..	1 ..	Dip circle (simple form).
1 doz.	1 doz.	Magnets, small, 6″.
..	1	Ammeter (cheap with 1—5 amperes range) 1/10″.
..	1 set ..	Resistances.
..	1 ..	Condensers (simple plate).
..	1 ..	Model of a Dynamo.
1 lb. each	1 lb. each	Copper Wire, nos. 18, 20, 26.
..	1 lb. ..	Ditto Silk covered.
..	1 reel	Unspun Silk.
..	¼ lb. ..	Soft Red Wax.
..	1 ..	Voltameter, cheap (1—10 volts, 1/10).
..	2 ..	Reversing Keys.
1 ..	1 ..	Electric Bell.
1 ..	1 ..	Electrophorus.
1 ..	1 ..	Morse Key.
1 ..	1.. ..	Piece Lode Stone.
1 ..	1 ..	Horse-shoe magnet with armature, 6″.
1 ..	1 ..	Packet steel knitting needles.
1 doz.	1 doz.	Sewing needles.
1 ..	1 ..	Flat cast-iron rod, 1′ long.
1 doz.	1 doz.	Steel clock springs.
1 ..	1 ..	Glass rod, 12″.
9 ..	9 ..	Ebonite rods, 12″.
2 ..	2 ..	Shellac rods, 12″.
12 pieces	12 pieces	Flannel.
2 „ ..	2 „ ..	Silk.
2 ..	2 ..	Pith-ball pendulums.
2 ..	2 ..	Simple cell elements.
2 ..	2 ..	Magnetic needles and stands, 3″ and 6″.

Section B.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	PHYSICS WORK BENCH TOOLS.
1 ..	1 ..	Cutting pliers.
1 ..	1 ..	Ditto flat nose.
..	1 ..	Bench hack, saw.
1 ..	2 ..	Hammers.
2 ..	3 ..	Screw drivers (set of three).
2 ..	6 ..	Triangular and square files.
1 ..	2 ..	Flat files.
1 ..	2 ..	Half round files.
..	1 ..	Automatic hand drill.
1 ..	1 ..	Spirit level mounted.
1 ..	1 ..	Measuring tape, 50 ft.
..	..	Nails, assorted.
..	..	Brass and iron screws.

Section C.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMISTRY (GENERAL).
..	12 ..	Balances, 250 g.m. with beams graduated sensitive to 1/10th of a milligram in cases.
..	12 ..	Sets of weights with forceps, ·0001 to 50 g.m.
..	1 ..	Set of ditto ditto ·0001 to 100 g.m.
..	4 doz.	Beakers, with lip, 100 C.C.
..	4 ,, ..	Ditto 250 C.C.
..	1 ,, ..	Ditto 400 C.C.
..	1 ,, ..	Ditto 600 C.C.
..	1 ,, ..	Ditto 1,000 C.C.
..	2 ,, ..	Flasks, flat bottom 125 C.C.
..	2 ,, ..	Ditto 300 C.C.
..	1 ,, ..	Ditto 500 C.C.
..	½ ,, ..	Ditto 1,000 C.C.
..	2 ,, ..	Flasks, conical, 500 C.C.
..	6 only	Flasks, round bottom, 300 C.C. and 500 C.C.
..	6 ..	Distilling flasks, round bottom, 300 C.C.
..	6 ..	Crystallizing dishes, 7 cm. dia.
..	4 ..	Ditto 10 cm.
..	6 ..	Desiccators, Scheiblers, 13 cm. 5″.
2 ..	12 ..	Woulff's bottles, 250 C.C., 2 necks.
1 ..	4 ..	Ditto 500 C.C. ,,
..	2 each	Filter pump, flask, 250 C.C. and 500 C.C.
24 ..	12 ..	Covers for gas jars.
12 ..	6 ..	Funnels, 2½″.
..	3 ..	Do. 3″.
12 ..	12 ..	Do. for burettes.
3 ..	3 ..	Retorts, stoppered, 500 C.C.
12 ..	3 ..	Pneumatic troughs, circular, porcelain.
12 ..	3 ..	Beehive shelves for above.
2 ..	16 ..	Liebig's condensers, 30 cm. I. R. connection.
12 ..	12 ..	Mortars and pestles, 4″ dia.
..	2 ..	Do. wedgewood, large.
..	1 doz.	Calcium chloride tubes, U forms, 6″×5″.
..	1 ,, ..	Ditto ditto with side tubes.
..	1 ,, ..	Ditto straight.
..	1 only ..	Glass filter pump, University pattern.
1 gross	1 gross	Test-tubes, 2″×½″.
..	4 doz.	Do. 4″×½″.
3 doz.	6 ,, ..	Do. 6″×1″.
4 ,, ..	3 ,, ..	Test-tubes combustion, 6″×¾″.
..	25 lb. ..	Glass tubing, assorted.
2 lb. ..	3 ,, ..	Ditto combustion.
1 ,, ..	3 ,, ..	Glass rods, assorted.
..	2 ,, ..	Thermometer tubings.
..	6 ,, ..	Burettes with stopcock, 50-1/10 C.C.
12 ..	..	Ditto pinchcock, 50-1/10 C.C.

Section C—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMISTRY (GENERAL)—(*continued*).
2 ..	9 ..	Pipettes, 25 C.C., 10 C.C. and 20 C.C., 3 each.
..	4 ..	Do. 50 C.C.
..	3 ..	Measuring jars, 50 C.C.
..	2 doz.	Ditto 100 C.C.
..	6 only	Ditto 500 C.C.
..	1 „ ..	Ditto. 1,000 C.C.
..	2½ doz.	Thermometers, 150° C. in wooden case, 3 of 2000 C, 3 of 300° C.
..	200 ..	Filter papers, cut circles, 9 cm.
300 ..	200 ..	Ditto ditto 12·5 cm.
..	100 ..	Ditto ditto 15 cm.
6 ft. ..	30 ft. ..	I. R. tubing, 5/16″.
..	6 ft. ..	Pressure tubing.
1 gross	1 gross	Corks, ordinary, assorted.
12 sets	12 sets	Corkborers, set of three.
..	1 ..	Cork squeezer, wheel pattern.
18 ..	18 ..	Deflagrating spoons with tin caps.
12 ft. ..	60 ft. ..	I. R. connection tubing, 3/16″.
..	1 ..	Foot bellows.
1 doz...	2 doz...	Mohr's burette clips.
..	6 only	Screw clips.
..	4 ..	Retort stands, small.
..	2 ..	„ large.
..	1 doz.	Rings, 2½″, 3½″, 4″ dia.
..	1 „ ..	Clamps, small and large with boss.
..	3 ..	Wooden clamps.
12 ..	3 ..	Funnel stands, double.
12 ..	4 ..	Burette stands, for one burette.
2 ..	2 doz.	Safety funnels with one bend.
16 ..	2 „ ..	Thistle funnels, 12″.
..	6 ..	Asbestos sheets, 10″×10″.
..	1 ..	„ pad, 6″×6″.
..	1 ..	„ „ 4″×4″.
..	1 ..	Ozone apparatus.
..	1 ..	Vapour density apparatus, Victor Meyer.
..	2 ..	Combustion boats, porcelain.
..	1 ..	Pippette stand for ten pipettes.
..	4 ..	Calcium chloride towers, 8″.
..	4 ..	Separating funnel, pear-shaped.
..	6 ..	Kipp's apparatus, 500 C. C. capacity.
..	1 ..	Tube to show composition of ammonia.
..	1 ..	Diffusion apparatus (porous pot, tube, etc.)
..	3 ..	Glass trough (big) 13·5″ diameter.
..	1 ..	Copper flask.
..	1 ..	Copper tube with cap.
..	1 set ..	Copper distilling apparatus for distilling water.

Section C—(*concluded*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMISTRY (GENERAL)—(*concluded*).
..	30 ..	Weighing tubes.
..	2 ..	Clock glasses.
16 ..	1 doz.	Watch ,,
..	4 ..	Bunsen burners.
..	6 ..	Fishtail ,,
..	4 ..	Spatulas porcelain.
6 ..	4 ..	,, horn.
6 ..	6 ..	,, steel.
6 ..	36 ..	Winchester quart bottles.
..	6 ..	Filter plates, two of each size.
..	6 ..	Books of labels.
1 doz.	2 doz.	Litmus books (red and blue).
..	1 ..	Fractionating column (pear-shaped, bulbed) 3 or 5 bulbs.
..	2 ..	Nickel foils, 3″×3″.
..	4 ..	Tripod stands.
..	2 ..	Crucible tongs.
..	2 ..	Drying cones.
..	6 ..	Hoffman's bottle for Victor Meyer's apparatus.
16 ..	4 ..	Porcelain basin.
..	4 only	Graduated flasks, 250 C.C.
..	2 ,, ..	,, 1,000 C.C.
..	6 ,, ..	,, 100 C.C.
..	6 ,, ..	,, 200 C.C.
1 ..	2 ..	Water bath.
2 ..	2 ..	Potash bulbs.
16 ..	6 ..	Crucibles with lids.
12 ..	12 ..	Small U-tubes, height 4″ dia. ½″.
1 doz.	1 doz.	Wire-gauze spoons for sodium.
1 ,, ..	14 only	Iron tubes, 8″ long and 1″ diameter.
2 ..	2 ..	Cork-borer sharpner.
12 ..	6 ..	Triangular files, and 6 rat-tailed or round files.
24 ..	12 ..	Gas-collecting jars with round glass covers.
26 ..	..	Stoppered bottles for chemicals.

* 4 N. M., reagent bottle, 12 oz. stoppered.

17 ,, ,, ,, ,, 5 ,, ,,

5 W. M. ,, ,, 2 ,, corked.

Section D.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		CHEMICAL LABORATORY.
A	B	*Apparatus required for each bench.*
..	1 ..	Wire gauze, 30 meshes, 6″×6″.
..	3 doz.	Test-tubes, 5″×5/8″.
..	1 „ ..	„ 2″×1/4″.
..	1 ..	Test tube stand.
..	1 ..	„ brush.
..	3 ..	Beakers (one without lip, 200 C.C. and two lipped, 250 C.C.)
..	3 ..	Flasks (500 C.C. two only and 200 C.C. one only).
..	1 ..	Mouth Blowpipe.
..	1 ..	Wash bottle 500 C.C.
..	1 ..	Retort stand with 1 ring, 1 clamp and 1 boss, length of rod 20″.
..	1 ..	Tripod stand triangular top.
..	2 ..	Crucibles with lid.
..	1 ..	Crucible tongs, brass, plain 6″.
..	3 ..	Porcelain basins.
..	2 ..	Funnels plain 3″.
..	1 ..	Triangular file, 4″ with handle.
..	1 ..	Iron-tinned Japan rectangular pneumatic trough with shelf.
..	1 ..	Pipette, 10 C.C.
..	100 ..	Filter papers, 12·5 cm. dia.
..	2 books	Litmus papers, red and blue.
..	1 ..	Test-tube holder crosswise pattern.
..	1 ..	Burner or spirit lamp.
..	1 ..	Burette 50—1/10 C. C. with pinchcock (i.e., with Mohr's burette clips).
..	2 ..	Watch glasses 4 cm.
..	2 ..	Clay-pipe triangles.
..	1 ..	Funnel stand, double.
..	1 ..	Burette stand.
..	1 ..	Drying cone of tin.
..	4 ..	N. M. Reagent bottles, 12 oz., stoppered.
..	17 ..	N. M. „ 5 „ „
..	5 ..	W. M. „ 2 „ with corks.
..	3 ft. ..	Rubber tubing for burner 3/8″ diameter.
..	3 ..	Collecting jars (glass) and cover for same.
..	1 doz.	Cork assorted.
..	1 ..	Beaker cover for quantitative work (clock glass).
..	1 ..	Desiccator each 5″.
..	1 ..	Glazed paper.
..	1 ..	Platinum wire.
..	1 ..	Graduated flask, 100 C.C.
..	1 ..	Quill pen.
..	1 ..	Spatula.
..	1 ..	Blue glass, 2″×2″.

Section E.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	CHEMICALS.
8 lb. ..	70 lb. ..	Concentrated Hydrochloric acid pure (medically pure).
..	20 „ ..	Hydrochloric acid pure.
8 lb. ..	25 „ ..	Concentrated Nitric acid, pure.
8 „ ..	30 „ ..	„ Sulphuric „
..	40 „ ..	„ „ „ commercial.
..	6 „ ..	Glacial Acetic acid.
..	25 „ ..	Ammon, Liquor.
2 lb. ..	20 „ ..	„ Chloride.
..	1 „ ..	„ Carbonate resubl.
..	16 „ ..	„ „ ordinary.
..	4 „ ..	„ Sulphate, pure.
..	2 „ ..	„ Acetate.
..	1 „ ..	„ Molybdate.
..	2 „ ..	„ Nitrate.
..	4 „ ..	„ Oxalate.
¼ lb. ..	½ „ ..	Sodium, Metal.
1 „ ..	6 „ ..	„ Carbonate, pure.
..	3 „ ..	„ „ commercial.
..	1 „ ..	„ „ chemically pure anhydrous.
..	1 „ ..	„ Bicarbonate.
2 lb. ..	10 „ ..	„ Hydroxide sticks, pure.
..	3 „ ..	„ Acetate.
..	2 „ ..	„ Nitrate.
..	4 „ ..	„ Phosphate.
..	3 „ ..	„ Chloride, pure.
..	8 „ ..	„ „ commercial.
..	1 „ ..	„ Sulphate.
..	½ „ ..	„ Formate.
..	1 „ ..	„ Nitrite.
..	1 „ ..	„ Bromide.
..	4 „ ..	Borax.
..	3 „ ..	Fusion mixture.
..	½ „ ..	Potassium, metal.
..	1 „ ..	„ Bichromate.
..	2 „ ..	„ Chromate.
..	1 „ ..	„ Bisulphate.
2 lb. ..	6 „ ..	„ Chlorate.
..	3 „ ..	Chloride, pure.
..	1 „ ..	„ Cyanide.
..	1 „ ..	„ Ferricyanide.
..	2 „ ..	„ Ferrocyanide.
..	1 „ ..	„ Iodide.
2 lb. ..	3 „ ..	„ Nitrate.
2 oz. ..	1 „ ..	„ Permanganate.

Section E—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A.	Quantity. B.	CHEMICALS—(*continued*).
..	1 lb. ..	Potassium, Sulphate.
..	1 ,, ..	,, Sulphocyanide.
..	1 ,, ..	,, Hydrate sticks.
..	½ ,, ..	,, Percholrate.
..	1 ,, ..	Barium Carbonate ppt.
..	6 ,, ..	,, Chloride, pure.
..	1 ,, ..	,, Nitrate.
..	4 oz. ..	,, Sulphide.
..	½ lb. ..	,, Sulphate.
..	1 ,, ..	,, Acetate.
....	1 ,, ..	Strontium Carbonate, pure.
..	1 ,, ..	,, Chloride.
..	1 ,, ..	,, Nitrate.
..	4 oz. ..	,, Sulphide.
..	1 lb. ..	,, Acetate.
..	1 ,, ..	Calcium Carbonate ppt.
1 lb. ..	4 ,, ..	,, Chloride anhydrous.
..	1 lb. ..	Calcium Nitrate.
..	½ ,,	,, Sulphate, pure.
..	1 ,, ..	,, Hypochloride (Bleaching power).
2 lb. ..	4 ,, ..	,, Oxide.
1 ..	1 ,, ..	Plaster of Paris.
2 ..	4 ,, ..	Marble.
..	4 oz. ..	Calcium Sulphide.
2 oz. ..	1 ,, ..	Magnesium Ribbon.
..	1 lb. ..	,, Corbonate.
..	1 ,, ..	,, Chloride.
..	1 ,, ..	,, Sulphate.
....	1 ,, ..	,, Oxide.
..	½ ,, ..	Manganese Chloride.
..	½ ,, ..	,, Sulphate.
2 lb. ..	12 ,, ..	,, Dioxide.
..	2 ,, ..	,, ,, granulated.
½ lb. ..	4 ,, ..	Copper turnings.
¼ ,, ..	1 ,, ..	,, Oxide.
..	1 ,, ..	,, Corbonate.
..	1 ,, ..	,, Chloride (ic.)
..	1 ,, ..	,, Nitrate.
2 lb. ..	3 ,, ..	,, Sulphate.
¼ ,, ..	½ ,, ..	,, foil.
..	½ ,, ..	Silver Nitrate.
2 lb. ..	2 ,, ..	Mercury Metal
..	1 ,, ..	,, Chloride (ic.).
½ lb. ..	½ ,, ..	,, Oxide (red)
..	½ ,, ..	,, Nitrate (ic.).

Section E—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A.	B.	CHEMICALS—(*continued*).
..	½ lb. ..	Mercury Nitrate (ous).
1 lb. ..	2 „ ..	Lead shots.
..	1 „ ..	„ foil.
..	4 „ ..	„ Acetate.
..	1 „ ..	„ Carbonate.
..	1 „ ..	„ Nitrate, pure.
1 oz. ..	2 „ ..	„ Oxide (litharge).
1 „ ..	1 „ ..	„ „ (red).
..	1 „ ..	„ Chloride.
..	2 „ ..	„ Metal.
..	1 oz. ..	Bismuth Nitrate.
..	½ „ ..	Cadmium Nitrate.
..	1 lb. ..	Iron turnings.
....	2 „ ..	„ Chloride (ic.) pure.
1 lb. ..	4 „ ..	„ Sulphate (ous).
..	30 „ ..	Ferrous Sulphide.
..	1 „ ..	„ Ammonium Sulphate.
..	1 „ ..	Iron Oxide.
2 lb. ..	2 „ ..	„ filings.
1 „ ..	1 „ ..	Alum Ammonium.
4 oz. ..	2 oz. ..	Aluminium foil.
..	2 „ ..	Arsenic metal.
..	½ lb. ..	„ Oxide.
..	2 oz. ..	Antimony metal.
2 lb. ..	1 0 lb. ..	Zinc granulated.
..	1 „ ..	„ Carbonate, pure.
....	½ „ ..	„ Oxide.
..	1 „ ..	„ Sulphate.
..	2 oz. ..	Nickel Sulphate.
..	1 lb. ..	Cobalt Nitrate.
¼ lb. ..	1 „ ..	Tin foil.
..	1 „ ..	„ Granulated, pure.
..	2 „ ..	„ „ Commercial.
..	2 „ ..	Tin Chloride (ous).
..	1 „ ..	Chromium Alum.
..	3 „ ..	Potassium „
2 lb. ..	4 „ ..	Sulphur roll.
....	2 „ ..	„ Flowers.
2 oz. ..	8 oz. ..	Phosphorus white.
..	8 „ ..	„ red.
..	8 „ ..	Bromine.
..	8 „ ..	Iodine resublimed.
..	2 lb. ..	Pumice Stone.
..	2 oz. ..	Phosphorus Trichloride.
..	2 „ ..	„ Pentachloride.

Section E—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A.	B.	CHEMICALS—(*concluded*).
..	1 lb. ..	Animal charcoal.
..	½ „ ..	Graphite.
..	½ „ ..	Emery powder.
..	2 oz.	Phosphoric acid.
½ lb. ..	½ lb. ..	Iron sheet.
½ „ ..	½ „ ..	Lead „
..	½ „ ..	Microcosmic salt.
		ORGANIC CHEMICALS.
..	4 oz. ..	Acid Formic.
..	4 „ ..	„ Stearic.
..	2 lb.	„ Oxalic.
2 oz. ..	4 oz. ..	„ Pyrogallic.
..	½ lb. ..	„ Tartaric.
..	1 oz. ..	„ Butyric.
..	4 „ ..	„ Salicylic.
..	1 lb.	Benzene.
2 lb. ..	8 „ ..	Carboon disulphide.
..	1 „ ..	Acetone.
1 lb. ..	2 „ ..	Alcohol (abs).
..	½ „ ..	Chloroform.
..	½ „ ..	Cream of tartar.
..	1 „ ..	Formaldehyde.
..	2 oz. ..	Acetaldenyde.
1 lb. ..	2 lb. ..	Glycerine.
..	1 oz. ..	Iodoform.
1 lb. ..	4 lb. ..	Naphthalene.
..	1 „ ..	Castor oil.
..	4 oz. ..	Phenol.
..	4 „ ..	Bees wax.
..	1 „ ..	Acetamide.
..	2 „ ..	Acetanilide.
..	2 „ ..	Sulphanilic acid.
..	1 „ ..	Methyl Salicylate.
..	¼ lb. ..	Urea.
..	4 oz. ..	Methyl Alcohol.
..	2 „ ..	Aceytl Chloride.
..	4 „ ..	Ethyl Acetate.
..	2 „ ..	Fuchsine.
..	2 lb. ..	Rochelle Salt.
..	1 oz. ..	Sodium Nitoprusside.
..	1 lb. ..	Fuller's Earth.
..	4 oz. ..	Methyl Orange.
..	4 „ ..	Phenolphthalein.
..	4 „ ..	Lampblack.
1 lb. ..	2 lb. ..	Ether.

Section E—(*concluded*).

Coulmn A gives the minimum requirements for work up to the High School Examination only.

Coumn B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A.	B.	ORGANIC CHEMICALS—(*concluded*).
..	1 lb. ..	Starch.
..	4 oz. ..	Grape sugar.
..	2 lb. ..	Turpentine oil.
..	1 „ ..	Olive oil.
..	1 „ ..	Vaseline.
½ lb. ..	2 „ ..	Cane sugar.
1 „ ..	1 „ ..	Paraffin wax.
..	2 oz.	Litmus granular.
..	2 „ ..	Albumen.
..	1 lb. ..	Amylalcohol.
..	1 „ ..	Aniline.
..	2 oz. ..	Benzoic Acid.
..	1 „ ..	Gelatine.
..	2 „ ..	Indigo sulphate.
..	2 „ ..	Glass wool.
..	2 lb. ..	Na_2So_3dry anhydrous.
..	2 „ ..	Sodium hyposulphite.

Section F.

Apparatus for showing lecture experiments in Chemistry.

Quantity.			Name of apparatus.
A.	B.	C*.	
..	..	1	Hoffmann's apparatus for the electrolysis of water with platinum electrodes, stand metal complete, limbs 50 C. C.
..	..	1	Water voltameter.
..	..	1	Hoffmann's apparatus for the volumetric synthesis of steam complete with vapour jacket, metal stand and binding screws.
..	..	1	Hoffmann's apparatus for the electrolysis of hydrochloric acid or ammonia complete with stand carbon electrodes, limbs 50 C.C.
..	..	1	Hoffmann's apparatus to show the volumetric composition of hydrochloric acid by means of sodium amalgam with metal stand and clamp.
..	..	1	Glass Tube with two taps and platinum electrodes.
..	..	1	Hoffmann's apparatus for showing that 1 volume of nitrogen and 3 volumes of hydrogen unite to form 2 volumes of ammonia, limbs 50 C.C., metal stand and platinum electrodes complete.
..	..	1	Apparatus to demonstrate the volumetric composition of ammonia by the action of chlorine glass tube with tap, outer jacket and stand complete.
..	..	1	Apparatus to show the composition of carbon dioxide or sulphur dioxide.
..	..	1	Apparatus for the synthesis of acetylene.
..	..	1	Gas measuring tube graduated in C.C. with tap 50 C.C. in 1/5th.
..	..	2	Glass cutting knives.
..	..	1	Warm condenser.
..	..	1 set	Cork borer, set of 12.
..	..	1	Iron mortar and pestle.
..	..	1	Graduated pipette 25 C.C. graduated in 1/10th.
..	..	1 each	Procelain evaporating basin, 1 litre and 2 litre capacity.
..	..	2	Perforated shieves to be used in ordinary glass funnel.
..	..	4	Glass stopcocks.
..	..	2	Flasks, 2 litre capacity.
..	..	2	„ 4 „ „
..	..	..	Stout flasks, round bottomed, 80 litre capacity, wide mouth for preparing sulphuric acid.
..	..	..	Martin's chemical lecture diagrams for class illustrations, set of 39.
..	..	1	Filter paper case.
..	..	1	Gas holder.
..	..	8	Watch glass bands.
..	..	1 set	Models of crystal.
..	..	1	Hot air drying oven, 9″×9″×9″.
..	..	1	Hot water drying oven.

*For teacher's use for the Intermediate classes.

Section F—(*concluded*).

Apparatus for showing lecture experiments in Chemistry—(concluded.)

Quantity.			Name of apparatus.
A.	B.	C*.	
..	..	1	Aspirator metal.
..	..	2	,, glass.
..	..	3	Adapters bent 6″ long.
..	..	3	,, straight 6″ long.
..	..	2	Balloons ordinary.
..	..	1	Belljar open at top.
..	..	1	,, stoppered.
..	..	1	Bunsen Burner, Teclu.
..	..	2	Fletcher's Burner diam., top wire gauze 7/8.
..	..	1	,, ,, ,, 1¼″.
..	..	6	Flame protector metallic.
..	..	25	Wooden shades.
..	..	12	Fire clay crucibles.
..	..	2	Nickel evaporating basin.
..	..	2	Tongs with bow gun metal.
..	..	6	White porcelain tiles glazed, 5½″×8½″.
..	..	1	Detonating bottle.
..	..	2	Glass pencil.
..	..	1	Funnel, 6″ diameter glass.
..	..	2	Ribbed Funnel, 3½″ diam.
..	..	2	Measuring cylinder, 250 C. C.
..	..	2	,, ,, 25 ,,
..	..	1	½-pint measure.
..	..	1	1-oz measure.
..	..	2	Pipette, 5 C.C.
..	..	1	,, 1 ,,
..	..	12	Condenser clamps.
..	..	1 doz	Rubber corks assorted.
..	..	2	Spoons horn with spatula.
..	..	6	Wire gauze asbestos lined.
..	..	2	Glass reduction bulbs.
..	..	3	,, ,, tubes straight.
..	..	3	T tubes glass.
..	..	3	Y ,, ,,
..	..	1	Pneumatic trough glass 12″.
..	..	1	Beehive shelve for the above.
..	..	2	Gas jars with cover 16″×3½″ with covers.
..	..	1	Hydrometer specific gravity scale.
..	..	200	Analytical filter paper, 12·5 c.m.
..	..	6	Brushes for burettes.
..	..	6	,, ,, gas jars.
..	..	4	,, ,, glass tubes.
..	..	1	Drying cylinder with bulb, hard glass.
..	..	2	Weighing bottles, stoppered.

*For teacher's use for the Intermediate classes.

N.B.—For replacing breakages, buying chemicals and acids, preparing distilled water and gas or buying spirits a contingent grant of Rs. 1,200 per annum for the Intermediate chemical laboratory is recommended.

Minimum requirements of an Intermediate College, Biology department.

Non-recurring requisites (for a class of 16 students or a class of 32 students in two batches).

	Rs.	a.	p.
Seventeen Microscopes	2,333	4	0
Seventeen Dissecting Lens complete with stands	682	2	0
Two Dissecting cases	32	0	0
Ordinary balance	40	0	0
Zoology and Botany Charts	100	0	0
Physiological Apparatus	200	0	0
Chemicals, Stains and Reagents	163	5	0
Glass-ware and Slides.	344	13	0
Skeletons	283	8	0
Dissecting Dishes, etc.	98	0	0
Museum Jars and Tubes	35	0	0
Books for Zoology and Botany ..	318	0	0
Miscellaneous	100	0	0
	4,730	0	0
Freight, etc. ..	270	0	0
Total ..	5,000	0	0
Recurring charges	500	0	0 a year

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Complete with stand, three double nosepiece, achromatic objectives, huyghenian eyepieces—

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C/ £. 9-3-0 .. .. 17 only ..	155	11	0=2,333	4	0	

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Lens for the above—

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Dissecting Instruments—					
C/ Rs. 16 each..	.. 2 only ..		32	0	0

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309, *Oxford Road, Manchester.*

			Rs.	a.	p.
Balance ordinary	1 only ..	..	40	0	0

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Botany and zoology charts to be made under the supervision of the teacher	.. ..	100	0	0
Physiological Apparatus		200	0	0

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			Rs.	a.	p.
Chemicals, Stains, and Reagent—					
Acid Acetic glacial, Rs. 2-8 per lb.	.. 1 lb.	..	2	8	0
,, Hydrochloric, annas 7 per lb.	.. 2 ,,	..	0	14	0
,, Nitric, annas 9 per lb. ..	.. 1 ,,	..	0	9	0
,, Sulphuric, annas 6 per lb.	.. 1 ,,	..	0	6	0
Potassium Iodide, Rs. 22 per lb.	.. ½ ,,	..	11	0	0
,, Hydrate, Rs. 4-8 per lb.	.. 1 ,,	..	4	8	0
Zinc Chloride (sticks), Rs. 3 per lb.	.. 1 ,,	..	3	0	0
Iodine (resublimed), Rs. 2 per oz.	.. 4 oz.	..	8	0	0
Glycerine pure, Rs. 2-12 per lb.	.. 4 lbs.	..	11	0	0
Formaline 40 per cent., Rs. 4 per lb.	.. 1 gall.	..	40	0	0
Absolute Alcohol, Rs. 5-10 per lb.	.. 2 lbs.	..	11	4	0
Oil of Cloves, Rs. 1-8 per oz. ..	.. 8 oz.	..	12	0	0
Xylol purif, Rs. 5-8 per lb. ..	.. 2 lbs.	..	11	0	0
Chloroform pure, Rs. 3-8 per lb.	.. 3 lbs.	..	10	8	0
Borax, powdered, annas 12 per lb.	.. 1 lb.	..	0	12	0
Balsam in Xylol, Rs. 1-8 per oz.	.. 4 oz.	..	6	0	0
Methylic alcohol, Rs. 15 per lb. ..	.. 1 lb.	..	15	0	0
	Carried over	..	148	5	0

		Rs. a. p.
Brought forward	..	148 5 0
Stains—		
Haematein, Rs. 5 per 5-gram tube .. 1 tube	..	5 0 0
Methylene blue, Rs. 2-8 per 10 gram tube .. 1 ,,	..	2 8 0
Eosine sol. in water, Rs. 1-8 per 5 gram tube 1 ,,	..	1 8 0
Eosine sol. in alcohol, Rs 1-8 per 5 gram tube .. .. 1 ,,	..	1 8 0
Carmine rubr., Rs. 9 per oz. .. .. ½ oz.	..	4 8 0
Total	..	163 5 0

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FROM MESSRS. FLATTERS AND GARNETT,
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Glassware—		£. s. d.	Rs. a. p.
K 1378 Glass rods with knobs, 3½" long, 11*d.* per doz. ..	2 dozen ..	0 1 10 =	1 6 0
K 1354 Watch glasses 60 M. M., 2*s.* 8*d.* per doz.	5 ,, ..	0 13 4 =	10 0 0
K 1351 Glass boxes with lids, 60×20 M. M., 2*s.* each ..	2 ,, ..	2 8 0 =	36 0 0
K 1207 Cover glasses, no. 15*s.* 6*d.* per oz.	6 oz. ..	1 13 0 =	24 12 0
K 2001 Glass funnels 5 C.M. dia., 7*d.* each	2 only ..	0 1 2 =	0 14 0
K 2001 Glass funnels 11½ C.M. dia., 1*s.* 2*d.* each	2 ,, ..	0 2 4 =	1 12 0
K 1200 Glass slips 3"×1" extra thin crystal white, 6*s.* per ½ gross	2 gross ..	1 4 0 =	18 0 0
K 2075 Glass beakers with tumbler form spout 250 C. C. 1*s.* 1*d.* each	6 only ..	0 6 6 =	4 14 0
K 2075 Glass beakers with tumbler form spout 400 C. C., 1*s.* 4*d.* each	6 ,, ..	0 8 0 =	6 0 0
K 2083 Graduated cylinders 25, C. C., 2*s.* each	2 ,, ..	0 4 0 =	3 0 0
K 2083 Graduated cylinders, 500 C. C., 5*s.* 3*d.* each ..	2 ,, ..	0 10 6 =	7 14 0
K 2083 Graduated cylinders, 1,000 C. C.	2 ,, ..	0 16 0 =	12 0 0
Carried over	..		126 8 0

		£. s. d.	Rs. a. p.
	Brought forward ..		126 8 0
K 1372 Dropping bottles with grounded glass stoppers, capacity 60 C. C., 8*s.* 6*d* per doz. ..	2 dozen ..	0 17 0 =	12 12 0
K 1395 Balsam bottles with rods and ground on cap, capacity 30 C. C., 1*s.* 6*d.* each ..	1½ „ ..	1 7 0 =	20 4 0
K 1320 Staining troughs with glass covers to hold 20 slips 3″×1″ in 10 prs. grooves, £1 11*s.* 6*d* per dozen ..	6 only ..	0 15 9 =	11 13 0
K 1331 Glass tubes for staining 3¼″×1¼″ with good cross cut corks, 4*s.* 6*d.* per doz. ..	4 doz. ..	0 18 0 =	13 8 0
K 1367 spirit lamps with ground on cap and brass screw wick-holders, capacity 120 C. C., 3*s.* each	2 only ..	0 6 0 =	4 8 0
K 1416 Bone cutting forceps, best quality, nickel plated 7″ 12*s.* 6*d.* each.	2 „ ..	1 5 0 =	18 12 0
K 814 Triple pocket lens ¾″ dia., 3*s.* each	2 „ ..	0 6 0 =	4 8 0
K 1208 Elder Pith per bundle 6*d.*, 5*s.* 6*d.* per doz.	2 doz. bundles	0 11 0 =	8 4 0
Grammes weights physical quality in polished boxes from 1 to 500 grams., 17*s.* 6*d.* per set ..	1 set ..	0 17 6 =	13 2 0
K 1725 Test tubes (Bacteriological test tubes) 6″×¾″, 1*s.* 8*d.* per doz.	2 dozen ..	0 3 4 =	2 8 0
K 1384 Widemouth stoppered bottles, capacity 500 C. C., 13*s.* 3*d.* per doz.	2 „ ..	1 6 6 =	19 14 0
K 1384 Widemouth stoppered bottles, capacity 300 C. C., 11*s.* 3*d.* per doz.	2 „ ..	1 2 6 =	16 14 0
K 1937 Belljars for Microscopes 46 C. M.×30 C. M., 12*s.* 9*d.* each	2 only ..	1 5 6 =	19 2 0
Prepared slides (Histological and Physiological slides) can be obtained from the above firm..	..	3 10 0 =	52 8 0
	Total		.. 344 13 0

Skeletons—

FROM MESSRS. CHANDLER & Co.,
10, *South Road, Allahabad, United Provinces.*

		Rs.	a.	p.
Rabbit (disarticulated skeletons), Rs. 9 each ..	17 only ..	153	0	0
Wooden box for the above, annas 14 each ..	17 „ ..	14	14	0
Rabbit (articulated skeletons), Rs. 15 each ..	1 „ ..	15	0	0
Frog (disarticulated skeletons), Rs. 3 each ..	17 „ ..	51	0	0
Wooden boxes, annas 10 each	17 „ ..	10	10	0
Frog (articulated skeletons), Rs. 5 each ..	1 „ ..	5	0	0
Dog skulls, Rs. 2 each	17 „ ..	34	0	0
		283	8	0

Dissecting Dishes, etc.—

		Rs.	a.	p.
Dissecting Boards 22″×15″×1½″ Rs. 1-8 each..	17 only ..	25	8	0
Dissecting Dishes 12″×8½″×2¾″, Rs. 4 each ..	17 „ ..	68	0	0
Awls for pinning specimens for dissection, annas 6 per dozen	1 gross ..	4	8	0
		98	0	0

Museum Jars, etc.

FROM MESSRS. GEORGE HOLT & Co.,
49, *Kingswood Road, Brixton Hill, London, S. W.* 2.

		£.	s.	d.	Rs.	a.	p.
Specimen tubes, fig. 21, 2″×½″, 1*s.* 5*d.* per dozen. ..	4 dozen ..	0	5	8 =	4	4	0
Specimen tubes, fig. 21, 4″×1″, 5*s.* 6*d.* per dozen	2 „ ..	0	11	0 =	8	4	0
Cylindrical Museum jars, 8″×4″, £3 per dozen	½ „ ..	1	10	0 =	22	8	0
					35	0	0

LIST OF BOOKS FOR ZOOLOGY AND BOTANY.

		Rs
Zoology—		
1.	Text-book of Zoology, by Parker and Haswell, vols. I and II	50
2.	Vertebrate skeleton, by Reynold	15
3.	Practical Zoology, by Marshall and Hurst	12
4.	Frog, by Marshall	3
5.	Biology, by Lloyd	8
6.	Biology and its Makers, by Locy	15
7.	The Microtomist Vade Mecum, by Bolles Lee and Gatenby (latest edition)	12
8.	Comparative Anatomy of Animals, by Bourne, vols. I and II	12
9.	Variation and Heredity, by Lock	14
10.	Schafer's Essentials of Histology	15
11.	Comparative Anatomy, by Weidersheim and Parker (English edition)	15
12.	Biology of Frog, by Holmes	15
13.	Elementary Physiology, by Huxley (latest edition) ..	12
		198

		Rs.
Botany—		
1.	Strasburger Botany	20
2.	Strasburger and Hill House Practical Botany	20
3.	Lowson's Botany	10
4.	Oliver's Indian Botany	10
5.	Scott's Structural Botany	15
6.	Green's Botany	15
7.	Tansley's Plant Biology	10
8.	Practical Botany by Gwynne and Vaughan	10
9.	Mitra's Botany, vols. I and II	10
		120
	Total ..	318

FROM MESSRS. H. K. LEWIS & CO.,
136, *Gower Street, London, England.*

APPENDIX I.

FORMS.

(1) Forms of applications for the recognition of institutions for the Board's Examinations.

Application for the recognition of

School / Intermediate College _____ **for the High School or / and Intermediate Examination.**

---

* 1. (a) **The general desirability of the institution with reference to the suitability and sufficiency of existing institutions in the locality.**

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

(*b*) **The special aims of the institution.**

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

(*c*) **The probable effect on existing institutions.**

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

* Columns 1 (*a*), (*b*), and (*c*) should be filled up by *new* institution only.

2. Is the Committee of Management registered as a society under Act XXI of 1860?

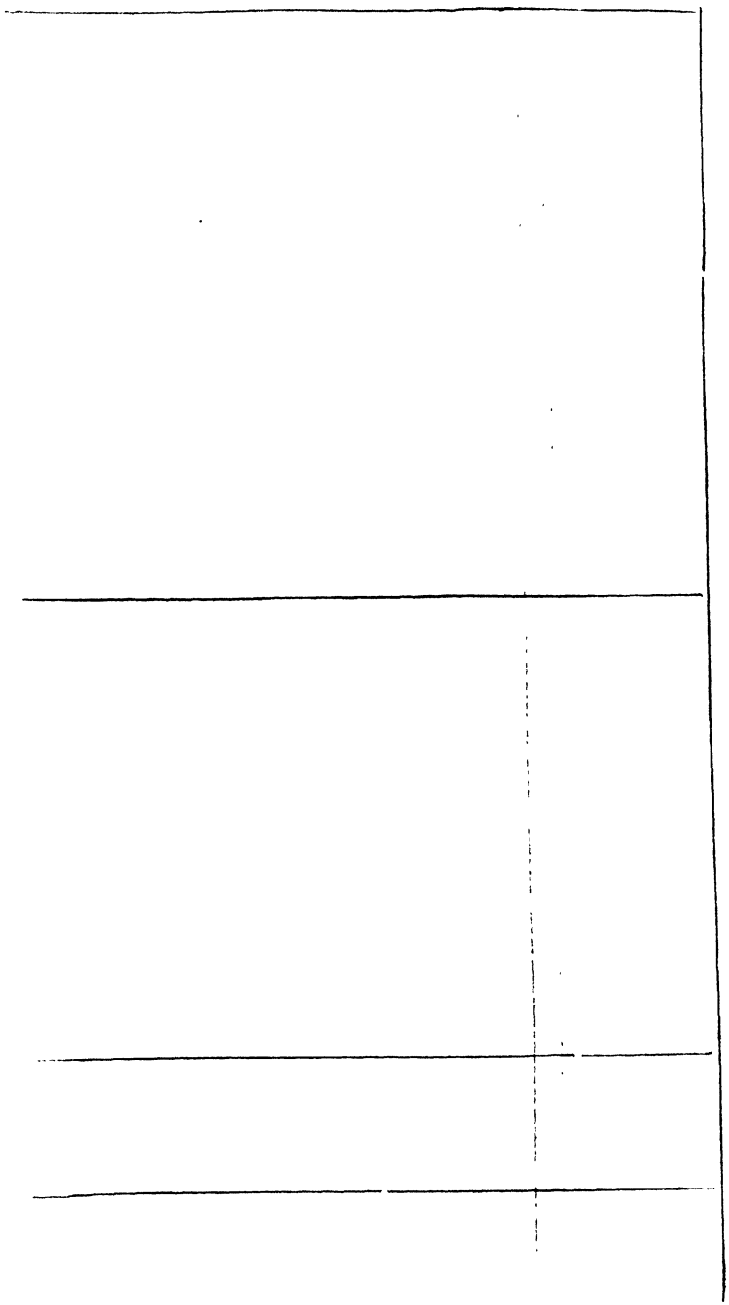
Names of the members of the Committee of Management.	Names of the members of the Executive Committee (if any).

3. Name of Manager or Secretary or Correspondent, as the case may be.

Statement by the Manager or Secretary.	Remarks of Inspector or Inspectors.

4. Number of scholars in each class or section of a class.

Class (with section).	Number of scholars in each section.	Statement by the Manager or Secretary.	Remarks of Inspector or Inspectors.



5 Accommodation provided in class-rooms and in hostels

This statement should be accompained by a sketch ***drawn to scale*** *(a)* of the school compound, showing the location of all buildings on it ; *(b)* of the school building, showing the class-rooms and other rooms, and the purposes for which the several rooms are used ; and *(c)* of the hostel or hostels.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

6. Subjects in which recognition is sought, and the Vernacular or Vernaculars proposed to be taught.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

7. Qualifications and rates of pay of the teaching staff.

No.	Names of teachers with designation.*	Qualifications (Degrees, Diplomas, Certificates, etc.)	Scale of pay.†	Statement by the Manager.	Remarks of Inspector or Inspectors.

| | | |

8. Special arrangements, if any, made for the teaching of any subject or subjects.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

9. Provision and appliances for the teaching of–

(*a*) **Science**
(*b*) **Drawing.**
(*c*) **Commerce.**
(*d*) **Manual Training.**
(*e*) **Agriculture.**
(*f*) **Domestic Science.**
(*g*) _____.
(*h*) _____.
(*i*) _____.
(*j*) _____.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

10. Provision made for the medical examination, health, recreation, physical training and discipline of scholars.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

11. Scale of fees charged, and the provision, if any, for the admission of poor scholars.

Statement by the Manager.	Remarks of Inspector or Inspectors.

12. Financial position of the institution.

Income for recurring tuitional expenditure.				
Details of income.	Estimated income during the first year (*a*).	Estimated income during the second year (*b*).	Average annual income (*c*).	Remarks of Inspector or Inspectors.
1. To balance on 1st April (if in hand.)				
2. To (*a*) Government grant ..				
(*b*) Municipal or District Board grants.				
3. To net income from endowments				
4. To voluntary contributions ..				
(*a*) From private individuals				
(*b*) From societies.				
5. To income from other sources (to be specified).				
6. To fees :—				
(*a*) Tuition fees				
(*b*) Certificate fees ..				
(*c*) Other fees or fines from scholars.				

Recurring tuitional expenditure.				
Details of expenditure.	Estimated expenditure during the first year (*a*).	Estimated expenditure during the second year (*b*).	Average annual expenditure (*c*).	Remarks of Inspector or Inspectors.
1. By Balance on 1st April (if overdrawn)				
2. By Salaries of Staff :—				
(*a*) Teaching Staff (Principal, Head Master and Assistant Masters).				
(*b*) Clerical Staff (including clerks and librarians).				
(*c*) Menial Staff				
3. By Office contingent expenses				
4. ,, Provident Fund ..				
5. ,, Allowances (not to be included under specified salaries).				
6. ,, Rent and Taxes ..				
7. ,, Prizes				
8. ,, Stationery and books for teachers.				
9. ,, Petty repairs				

					10.	„ Repair or replacement of furniture.			
					11.	„ Upkeep of School equipment (Science, Manual Training, Commerce, etc.)			
					12.	„ Library			
					13.	„ Hot and cold weather charges.			
					14.	„ Audit charges ..			
					15.	„ Contribution to Reserve Fund.			
					16.	„ Other charges (to be specified.)			
Total ..						Total ..			

(*a*) 'First year' means the year in which the school begins to work $\frac{\text{as a High School, with only Class IX}}{\text{as an Intermediate College, with only Class XI}}$ as an additional class.

(*b*) 'Second year' means the year in which the school becomes a full $\frac{\text{High School, with classes IX and X}}{\text{Intermediate College, with classes IX and XII}}$.

(*c*) 'Average annual' income and expenditure mean the normal income and expenditure after the school has become a full High School or Intermediate College.

NOTES—(1) Important variations in estimates of income and expenditure should be explained.

(2) From this statement of recurring income and expenditure accounts of the Recreation Fund, Scholarships, Students' Societies (such as a Literary or Scientific Society or Debating Club), Reading Room, Hostel expenditure on religious instruction, all items of non-recurring expenditure, and all accounts not directly concerned with the secular instruction of the students, should be excluded.

13. Certificate to be signed by the Manager or Head Master or Principal of the institution applying for recognition.

I HEREBY certify that the statements made in this application are correct, and I undertake that in case the institution is recognized for the $\frac{\text{High School}}{\text{Intermediate}}$ Examination I shall abide by the Regulations of the Board of High School and Intermediate Education, United Provinces.

Dated _____.

Manager, Head Master or Principal.

_____ *School*
College

14. Recommendations of Inspector or Inspectors.

[In making recommendation Inspectors should state whether and in what subjects or on what conditions recognition should in their opinion be granted.]

Dat (— ———— (Signed.)	*Inspector of Schools* ——*Division*. *Inspectors*

B

Application for the recognition of_____

School / Intermediate College in additional optional subjects

_____ **for the High School / Intermediate**

Examination of the Board.

1. The general desirability of the institution with reference to the suitability and efficiency of existing institutions in the locality, with an explanation of the need for starting new classes

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

2. The probable effect on existing institutions.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

3. Number of scholars in each class in the subjects in which the institution is recognised.

Subjects.	Number of scholars in				Remarks of Inspector or Inspectors.
	VIII.	IX.	X.	XI.	
Classical Languages.					
Indian Vernaculars.					
Other subject.					

4(a) Additional subject or subjects in which recognition is sought.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

4(b). Probable number of students expected to take up the new subject or subjects.

Name of the new subject or subjects.	Probable number of students.	Remarks of Inspector or Inspectors.

4(c) Provision, appliances and special arrangements, if any, made for the teaching of the new subject or subjects.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

5. Accommodation provided for the new class.

(*a*) Plans should be submitted if new rooms are to be added.

(*b*) This statement should be accompanied by a sketch drawn to scale [in case no such sketch has been submitted on any previous occasion] (*a*) of the school compound, showing the location of all buildings on it (*b*) of the school building showing the class rooms and other rooms, and the purposes for which the several rooms are used and (*c*) of the host l or hostels.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

6. List showing qualifications and rates of pay of the present staff, showing *separately* the additional ‡staff proposed to be engaged for the teaching of the new subject or subjects.

Number.	Names of teachers with designation.	Qualifications, (Degrees, Diplomas Certificates, etc.).	Scale of pay.†	Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

* In the case of an Intermediate College the staff to be shown should be the staff engaged in teaching the Intermediate classes.

† If the scale of pay is progressive, the rate of periodical increments should be shown.

‡ If no additional staff is proposed to be engaged, the total number of periods per week for which the proposed teacher or teachers $\frac{\text{is}}{\text{are}}$ at present teaching and will teach when class $\frac{\text{X}}{\text{XII}}$ will be opened in the new $\frac{\text{subject}}{\text{subjects}}$ should be mentioned, A copy of the proposed time-table should also be submitted.

7. Probable cost [giving details] of starting the new classes.

Recurring expenditure.				Non-recurring expenditure.			How it is proposed to meet the additional cost.	Remarks of Inspector or Inspectors.
Details of expenditure.	Estimated expenditure during the first year.	Estimated expenditure during the second year.	Average annual expenditure.	Details of expenditure.	Estimated expenditure during the first year.	Estimated expenditure during the second year.	Remarks.		

8. Certificate to be signed by the Manager or Head Master or Principal of the institution applying for recognition.

I hereby certify that the statements made in this application are correct, and I undertake that in case the institution is recognised, I shall abide by the Regulations of the Board of High School and Intermediate Education, United Provinces.

Dated _____

Manager, Head Master or Principal,
School
College

_____

9. Remarks of Inspector or Inspectors.

In making recommendations Inspectors should state whether and on what conditions recognition should in their opinion be granted.

Dated _____ *Inspector of Schools* _____ *Division.*

(2) Forms of applications for admission to the Board's Examinations.

Roll no.———

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1929.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to appear at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

Dated the———192 .

(Name to be written in full and very legibly.)

CERTIFICATE BY THE HEAD MASTER OR PRINCIPAL.

I HEREBY certify that has attended a regular course of study in a recognized institution (as required by Board's Regulations—vide footnote to Regulation 4, Chapter XVII) and that his/her date of birth, according to the register of the School/College is*———

I also certify that his/her character and conduct have been satisfactory, and that he/she has paid the prescribed examination fee.

† I also certify that he/she has actually performed the experiments laid down in the syllabus.

Head Master

Principal
School

College

Dated the———192 .

*Enter here date, month, and year, and not month and year only.
†For science candidates only.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

1. Name in full .. .. _____

2. Optional subject (*a*) .. .. _____

3. Vernacular (*b*) .. .. _____

4. Does he offer History *or* Geography as a compulsory subject? (*c*) _____

5. Medium of Examination offered in (*d*).
   - (*i*) Optional subject. _____
   - (*ii*) Vernacular .. _____
   - (*iii*) Mathematics _____
   - (*iv*) History or Geography as a compulsory subject.

6. District and town or village where resident. _____

7. Length of residence in the
   - United Provinces .. _____
   - Ajmer-Merwara .. _____
   - Rajputana .. _____
   - Central India .. _____

8. Name of father .. .. _____

9. Name of guardian .. .. _____

*10.
   - (*i*) Name of the subject in which eligible for Compartmental Examination .. .. _____
   - (*ii*) Name of the year in which declared eligible for Compartmental Examination .. _____
   - (*iii*) Medium of examination offered .. .. .. _____
   - (*iv*) Subjects offered at the previous High School Examination.
     1. Optional _____
     2. Vernacular _____

_____

(*Signature of candidate in full.*)

(*a*) Candidates taking Commerce should clearly show whether for Commerce second paper, they offer "Book-keeping" or "Typewriting."

(*b*) This will also be the Vernacular from which the candidate will be required to translate in the third paper of English.

(*c*) Only one (either History or Geography) should be given.

(*d*) A candidate is permitted to answer through a Vernacular medium in the following subjects only :—

(1) Mathematics, (2) History, (3) Geography, (4) Sanskrit, (5) Arabic, (6) Persian, (7) Agriculture, (8) Domestic Science, (9) Hindi, and (10) Urdu.

* To be filled in by Compartmental candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1929.

ADMISSION CARD.

All the entries excepting Roll number should be filled up in the office of the Head Master or Principal.

Admit_____

(Roll no._____) of_____ School / College

_____ to_____ Centre

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
March 6, 1929.

Issued on_____1929.

*Signature*_____

Head Master / *Principal*

School / *College*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the High School Examination of 1929, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens, pencil or pastel, etc. To answer the Second Paper of Domestic Science on sewing and cutting out, candidates are required to provide their own needles, thread, and pair of scissors. Blotting-paper will be supplied in the answer-books.

7.—Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8.—Candidates must produce their admission card when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2 (Two).

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :
March 6, 1929.

Roll no.— — —

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION, MARCH, 1929.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

(Name to be written in full and very legibly.)

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination declared equivalent thereto, vide Regulation 2, Chapter XIV of the Board's Regulations; that I know nothing against his character which ought to exclude him from this Examination; that he has attended a regular course of study at College as required by the Regulations—vide footnote to Regulation 4, Chapter XVII—in each and all of the subjects offered; that he has paid the prescribed examination fee; and that I believe the subjoined account to be true.

This certificate is to be signed by the Principal of the College.

*Name*_____

Principal _____

_____*College.*

*The*_____192 .

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
(Women candidates must write Miss or Mrs. before their names.)
2. Date of birth .. .. _____
3. Name of father .. .. _____
4. Name of guardian .. .. _____
5. Race (i.e., nation, tribe, etc.) .. _____
6. District and town or village where resident .. .. _____
7. Length of residence in—
(*a*) United Provinces .. .. _____
(*b*) Rajputana .. .. _____
(*c*) Ajmer-Merwara .. .. _____
(*d*) Central India .. .. _____
8. Language from which translation is to be made into English in the third English paper or English composition in the case of candidates whose mother-tongue is English .. .. _____
9. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. .. _____
10. The name of the optional subjects offered .. .. ..(1)_____(2)_____(3)_____
11. (*a*) Whether eligible for compartmental examination; if so, the name of the subject .. .. _____
(*b*) The year of the examination on the result of which he was declared eligible for compartmental examination .. .. _____
(*c*) Subjects offered in the year referred to in (*b*) .. .. _____
12. Whether he appeared at the Intermediate examination of any previous year; if so, the year in which appeared .. .. _____

_____
(*Signature of candidate in full.*)

* In the case of History, the name of History [e.g. Modern History (Indian-European), Modern History (Indian-English), Ancient History] should be definitely mentioned.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES.

INTERMEDIATE EXAMINATION, 1929.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Principal.

Admit_____

(Roll no._____) of_____College.

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 6th March, 1929.

Issued_____1929.

*Signature*_____
_____*Principal.*
_____*College.*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1929, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only, the other side may used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazte*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 6th March, 1929.

Roll no._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

COMMERCIAL DIPLOMA EXAMINATION, MARCH, 1929.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Commercial Diploma Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

*Student*_____*College.*

(Name to be written in full and clearly.)

CERTIFICATE.

This certificate is to be signed by the Principal of the College.

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination equivalent thereto; that I know nothing against his character which ought to exclude him from this Examination; that he has attended a regular course of study at College in each and all of the subjects offered; that he has paid the prescribed examination fee and that I believe the subjoined account to be true.

*Name*_____

Principal _____

_____*College.*

*The*_____192 .

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
(Women candidates must write Miss or Mrs. before their names.)
2. Date of birth .. .. _____
3. Name of father .. .. _____
4. Name of guardian .. .. _____
5. Race (*i.e., nation, tribe, etc.*) .. _____
6. District and town or village where resident .. .. .. _____
7. Length of residence in—
(*a*) United Provinces .. .. _____
(*b*) Rajputana .. .. _____
(*c*) Ajmer-Merwara .. .. _____
(*d*) Central India .. .. _____
8. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. .. _____
9. Optional subject .. .. _____
10. (*a*) Whether eligible for compartmental examination; if so, the name of the subject .. .. _____
(*b*) The year of the examination on the result of which he was declared eligible for compartmental examination .. .. .. _____
(*c*) Subjects offered in the year referred to in (*b*) .. .. _____
11. Whether he appeared at the Commercial Diploma Examination of any previous year; if so, the year in which appeared .. .. _____

(*Signature of candidate in full.*)

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

COMMERCIAL DIPLOMA EXAMINATION, 1929.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Principal.

Admit_____

(Roll no._____) of_____College

_____to_____Centre.

A C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 6th March, 1929.

Issued on_____1929.

*Signature*_____

_____*Principal*,

_____*College.*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Commercial Diploma Examination of 1929 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only; the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 6th March, 1929.

Roll no._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

AGRICULTURAL DIPLOMA EXAMINATION, MARCH, 1929.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad. on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Agricultural Diploma Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

*Student*_____*College.*

(Name to be written in full and clear ly.)

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination equivalent thereto; that I know nothing against his character which ought to exclude him from this Examination; that he has attended a regular course of study at College in each and all of the subjects offered; that he has paid the prescribed examination fee; and that I believe the subjoined account to be true.

This certificate is to be signed by the Principal of the College.

*Name*_____

*Principal*_____

_____*College.*

*The*_____192 .

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
(Miss or Mrs. must be written before the names of women candidates.)

2. Date of birth .. .. _____

3. Name of father .. .. _____

4. Name of guardian .. .. _____

5. Race (*i.e., nation, tribe, etc.*) .. _____

6. District and town or village where resident .. .. .. _____

7. Length of residence in—

(*a*) United Provinces .. _____

(*b*) Rajputana .. .. _____

(*c*) Ajmer-Merwara .. _____

(*d*) Central India .. .. _____

8. Date of passing the High School or an equivalent examination together with the name of the examination passed .. .. _____

9. Language from which translation is to be made into English in the first English paper .. .. _____

(*Signature of candidate in full.*)

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

AGRICULTURAL DIPLOMA EXAMINATION, 1929.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Principal.

Admit_____

(Roll no _____) of_____*College*

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 6th March, 1929.

Issued on_____1929.

*Signature*_____

_____*Principal,*

_____*College.*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Agricultural Diploma Examination, 1929, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and willl be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers any books, notes or papers, whatever.

5.—The answers must be written on one side of the page only; the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 6th March, 1929.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

For Private Candidates only.

P **HIGH SCHOOL EXAMINATION, 1929.** **P**

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before the 1st October, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces.

I am, etc.,

Private Candidate.

Full address of the candidate to be given here. _____

_____

_____

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-name candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence, that I believe the sub-joined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at the examination as a private candidate.

This certificate should be signed by the Inspector of Schools or the Division or the Chief Educational Officer of the Indian State where the candidate resides unless he is a failed candidate of a previous year, in which case the certificate may be signed by the head of the institution at which he last studied.

**Name*_____

*Designation*_____

*Station*_____

*The*_____1928.

* 1.—The countersigning officers should assure themselves that the applicants have given the full particulars required in the application and have attached to the application the necessary certificates.

* 2.—The forwarding officers are requested to keep in their offices the addresses of candidates whose applications are forwarded by them.

3.—The regulations given in Chapters XII and XIII of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____

2. Date of birth .. .. _____

3. Age (at the time of submitting this application) .. .. _____years_____months_____

4. District and town or village where resident .. .. _____

5. Length of residence in the
   (*a*) United Provinces .. _____
   (*b*) Ajmer-Merwara .. _____
   (*c*) Rajputana .. _____
   (*d*) Central India .. _____

6. *The optional subject (and papers when alternative papers exist) and the vernacualr which the candidate offers .. .. (Optional)_____(Vernacular) _____

7. Does he offer *History* or *Geography* as a compulsory subject ? _____

(*a*)
8. School last attended .. _____
9. Date of leaving school .. _____

Failure to comply with all the conditions or to give full particulars of information may entail rejection of application.

Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Examination Age-limit or other restriction imposed by the local University or Examining authority, will be equally enforced by the United Provinces Board in the case of such candidates even although such restriction is not imposed on the United Provinces candidates.

* Candidates (including failed candidates) will not be allowed to offer an optional subject for which practical work or practical examination is prescribed, e.g., Physic and Chemistry, Agriculture, Manual Training, Domestic Science and Metal work.

(*a*) To be filled in by candidates appearing for the first time.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE—(*concluded*).

(a)

10. Class in which the candidate was reading at the time of leaving (Scholar's Register or transfer certificate should be attached) .. _____

11. Reasons for discontinuing school studies .. .. .. _____

12. If the candidate left at the end of the session, whether promoted or not .. .. _____

(b)

13. Date of the candidate's last failing at the High School or an equivalent Examination .. _____

14. Full name of the examination last taken .. .. .. _____

15. Optional subject and the vernacular offered at the last examination .. .. (Optional)_____(Vernacular)

16. Subjects of failure in the last examination .. .. _____

17. Name of the school from which the Candidate appeared .. _____

18. Whether declared eligible for compartmental examination, if so,

(*i*) in what subject? .. _____

(*ii*) in what year of examination? .. .. _____

(*Signature of Candidate in full.*)

A candidate who failed in the examination of a previous year and who desires to offer new subjects for the next examination must give adequate reasons and show (*with certificates as to the arrangements made*) that he can satisfactorily complete the course of study in the new subject.

Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

(q) To be filled in by failed candidates only.

Roll No._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **HIGH SCHOOL EXAMINATION, 1929.** P

This application must reach the Office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces.

† The prescribed fee { is sent by money-order / has been credited into the Government Treasury }

(in the case of candidates from an Indian State)

(chalan to be attached in the case of candidates from the U. P.)

I am, etc.,

* Address :—

_____

_____

Private Candidate.

(Name to be written in full and very legibly.)

CERTIFICATE.

I certify that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence and that I believe the subjoined account to be true. I further certify that he has been permitted by the Board to appear as a private candidate (vide letter no. I. B. 28, dated October 25, 1928.

This certificate should be signed by the Inspector of Schools of the Division or the Chief Educational Officer of the Indian State where the candidate resides unless he is a failed candidate of a previous year in which case the certificate may be signed by the head of the institution at which he last studied.

*Signature*_____

*Designation*_____

*Station*_____

*Dated*_____192 .

Those offering commerce-typewriting or Domestic Science must select in column 12, such institution as their centre as is recognized in that particular subject and can make arrangements for the conduct of the practical examination in that subject.

† Instructions given in the letter of permission should be strictly followed.

* The candidate should also give the address in the Admission Card.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name in full* .. .. _____

2. Optional subject (*a*) .. _____

3. Vernacular (*b*) .. .. _____

4. Does he offer History *or* Geography as a compulsory subject? (*c*) .. .. _____

5. Medium Examination offered in (*d*)
   - (*i*) Optional subject _____
   - (*ii*) Vernacular .. _____
   - (*iii*) Mathematics .. _____
   - (*iv*) History or Geography as a compulsory subject _____

6. District and town or village where resident .. .. _____

7. Length of residence in the ..
   - United Provinces .. _____
   - Ajmer-Merwara .. _____
   - Rajputana .. _____
   - Central India .. _____

8. Date of birth (*e*) .. .. _____

9. Name of father .. .. _____

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* Girl candidates must write 'Miss' or 'Mrs.' before their names.

(*a*) Candidates taking Commerce should clearly show whether for Commerce second paper they offer "Book-keeping" or "Typewriting."

(*b*) This will also be the Vernacular from which the candidate will be required to translate in the third paper of English.

(*c*) A candidate offering History or Geography as a compulsory subject must not offer the same subject as an optional subject.

(*d*) A candidate is permitted to answer through a Vernacular medium in the following subjects only :—

(1) Mathematics, (2) History, (3) Geography, (4) Sanskrit, (5) Arabic, (6) Persian, (7) Agriculture, (8) Domestic Science, (9) Hindi, (10) Urdu.

(*e*) Date, month, and year to be entered here.

10. Name of guardian .. .. _____

To be filled in by compartmental candidates only.

11.
- (*i*) Name of the subject in which eligible for Compartmental examination .. .. _____
- (*ii*) Name of the year in which declared eligible for Compartmental Examination .. _____
- (*iii*) Medium of Examination offered (*d*) .. _____
- (*iv*) Subject offered at the previous High School Examination .. 1. Optional _____ 2. Vernacular _____

12. Where to be examined (*f*) .. _____

Signature of candidate (in full).

(*f*) The following places are the centres of examination:—Dehra Dun, Muzaffarnagar, Meerut, Bulandshahr, Khurja, Aligarh, Muttra, Agra, Mainpuri, Bareilly, Bijnor, Budaun, Moradabad, Chandausi, Shahjahanpur, Farrukhabad, Fatehgarh, Etawah, Cawnpore, Allahabad, Jhansi, Benares, Jaunpore, Ballia, Gorakhpur, Azamgarh, Basti, Naini Tal, Almora, Srinagar, Lucknow, Sitapur, Unao, Rae Bareli, Fyzabad, Gonda, Ajmer, Jaipur, Gwalior, Nowgong, Indore and Udaipur.

The list of centres is subject to additions and alterations by the Board.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **HIGH SCHOOL EXAMINATION, 1929.** P

ADMISSION CARD.

All the entries except those for roll number and centre should be filled in by the candidate.

Admit_____

Roll no._____of_____district

to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 6th March, 1929.

Issued on_____1929.

The address of the candidate to be given here—_____

Signature and designation of Forwarding Officer.

RULES FOR THE GUIDANCE OF CANDIDATES.

1. The dates and the hours of the High School Examination of 1929, will be notified separately.

2. The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3. A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or paper whatever.

5. The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6. Candidates are required to provide their own pens, pencils, or pastels, etc. To answer the Second paper of Domestic Science on sewing and cutting out, candidates are required to provide their own needles, thread and pair of scissors. Blotting-paper will be supplied in the answer-books.

7. Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8. Candidates must produce their admission cards when demanded.

9. A duplicate copy of the admission card is issued on payment of Rs. 2.

10. No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11. Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education,

United Provinces.

ALLAHABBD :

The 6th March, 1929.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

For Private Candidates who have passed a public examination in an Oriental Language (Sanskrit, Persian, or Arabic).

O P **HIGH SCHOOL EXAMINATION, 1929.** **O P**

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before October 1, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces, in English only.

I am, etc.,

Full address of the candidate to be given here.

_____

_____

_____

Private candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application *in my presence*, that I believe the sub-joined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at the examination as a private candidate under Regulation 7, Chapter XIII of the Board's Regulations.

This certificate is to be signed by the Inspector of Schools, of the Division or the Chief Educational Officer of the Indian State where the candidate resides.

* *Name*_____

*Designation*_____

*Station*_____

*The*_____1928.

N.B.—* The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates duly *attested* by the officer.

*2. The forwarding officers are requested to keep in their offices the addresses of candidates whose application forms are forwarded by them.

3 The Regulations contained in Chapters XII and XIII of the Board's Regulations may be consulted

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____

2. Date of birth .. .. _____

3. Age (at the time of submitting this application) .. .. _____ years _____ months

4. District and town or village where resident .. .. _____

5. Length of residence in the ..
   (a) United Provinces _____
   (b) Ajmer-Merwara _____
   (c) Rajputana _____
   (d) Central India _____

6. † Name of the public examinations passed in an oriental language (a copy of the certificate of the oriental examination passed duly attested by the countersigning officer should be attached) .. .. _____

7. Name of the University, Department or other authority holding the oriental examination which the candidate has passed .. .. _____

8. If serving as a teacher, name of the institution in which he is serving .. .. _____

9. Arrangements made for the study of English .. ..

(*Signature of candidate in full.*)

N.B.—Failure to comply with all the conditions or to give full particulars of information may entail rejection of application.

† The following examinations are recognised by the Board as Public Examinations in an oriental language :—

(1) Maulvi, Alim, Mulla (now defunct) and Fazil in Arabic and Munshi and Kamil in Persian conducted by the Education Department of the United Provinces.

(2) The Sanskrit Examinations conducted by the Government Sanskrit College, Benares, and by the Benares Hindu University.

(3) The Diploma Examinations in Arabic and Persian conducted by the Lucknow University.

Roll no._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1929.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before December 28, 1928.

APPLICATOIN.

To

THE SECRETARY, BOARD OF HIGH SCHOOL,
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces, **in English only.**

†The prescribed fee _____ is sent by money order (in the case of candidates from an Indian State.) has been credited into the Government Treasury (chalan to be attached in the case of candidates from the U. P.)

I am, etc.,

**Address* :— _____

Private candidate.

(Name to be written in full and very legibly.)

CERTIFICATE.

This certificate is to be signed by the Inspector of Schools of the Division or the Chief Educational Officer of the Indian State where the candidate resides.

I CERTIFY that the above named candidate has satisfied me that he has passed a public examination in an oriental language; (Sanskrit, Arabic or Persian), that I know nothing against him which ought to exclude him from the High School Examination, that he has signed the above application in my presence and that I believe the subjoined account to be true. I further certify that he has been permitted by the Board to appear as a private candidate (*vide* letter no. I. B. 28, dated October 25, 1928).

*Signature*_____

*Designation*_____

*Station*_____

*Dated*_____ 192 .

†Instructions given in the letter of permission should be strictly followed.

* This address should also be given in the Admission Card.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full)* .. .. _____

2. Date of birth (date, month and year to be entered here, and not month and year only) .. _____

3. Vernacular from which translation is to be made into English in the English third paper .. .. _____

4. District and town or village where resident .. .. _____

5. Length of residence in the—
   - United Provinces .. _____
   - Ajmer-Merwara .. _____
   - Rajputana .. .. _____
   - Central India .. _____

6. Name of father .. .. _____

7. Name of guardian .. .. _____

8. Where to be examined (*a*) .. _____

_____

(*Signature of candidate in full.*)

---

* Girl candidates should write 'Miss' or 'Mrs.' before their names.

(*a*) The following places are the centres of examination:—Dehra Dun, Muzaffarnagar, Meerut, Bulandshahr, Khurja, Aligarh, Muttra, Agra, Mainpuri, Bareilly, Bijnor, Budaun, Moradabad, Chandausi, Shahjahanpur, Farrukhabad, Fatehgarh, Etawah, Cawnpore, Allahabad, Jhansi, Benares, Ballia, Jaunpore, Gorakhpur, Azamgarh, Basti, Naini Tal, Almora, Srinagar, Lucknow, Sitapur, Unao, Rae Bareli, Fyzabad, Gonda, Ajmer, Jaipur Gwalior, Nowgong, Indore and Udaipur.

The list of centres is subject to additions and alterations by the Board

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

O/P

HIGH SCHOOL EXAMINATION, 1929.

ADMISSION CARD.

O/P

All the entries except those for Roll number and centre, should be filled in by the candidate.

Admit_____

(Roll no._____) of_____District

to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :

The 6th March, 1929.

Issued on_____1929.

The address of the candidate should also be given here.

_____

_____

_____

_____

Signature and Designation
of Forwarding Officer.

_____

_____

RULES FOR THE GUIDANCE OF CANDIDATES.

1. The dates and the hours of the High School Examination of 1929, will be notified separately.

2. The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3. A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5. The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6. All candidates are required to provide their own pens. Blotting paper will be supplied in the answer-books.

7. Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8. Candidates must produce their admission cards when demanded.

9. A duplicate copy of the admission card is issued on payment of Rs. 2.

10. No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11. Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 6th March, 1929.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

For Private Candidates only.

P **INTERMEDIATE EXAMINATION, 1929.** **P**

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before the 1st October, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces.

The address of the candidate to be given here———————————

———————————

———————————

I am etc.,

Private Candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above named candidate which ought to exclude him/her from the Intermediate Examination that he/she has signed the above application in my presence, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory, I recommend that he/she may be allowed to appear at this examination as a private candidate.

This certificate should be signed by the Divisional Inspector of Schools, or by the Chief Educational Officer of the Indian State where the candidate resides. But in the case of a candidate who has failed in the Intermediate Examination as a student of some college, this certificate should be signed by the head of the institution at which he last studied for the Intermediate Examination.

Name———————————————

Designation———————————————

Station———————————————

The———————————1928.

N. B.—(1) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(2) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards

(3) Regulations given in Chapters XII and XIV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____

2. Age (at the time of submitting this application) .. .. .. _____ years _____ months

3. Place of residence .. .. _____

4. Length of residence in the United Provinces .. .. .. _____

5. Date of passing the High School or an equivalent Examination (name of examination and University should be given) .. .. .. _____

6. Subjects taken in the High School or equivalent Examination .. _____

7. (*a*) School or college last attended .. _____

(*b*) Date of leaving class in which the candidate read (Scholar's Register or Transfer Certificate should be attached) .. .. _____

NOTES.—1. Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application.

2. Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Board's examination. Age-limit or other restriction imposed by the local University or examining authority will be equally enforced by the United Provinces Board in the case of such candidates even although United Provinces candidates are free from such restriction.

3. A candidate who failed in the examination of a previous year and who desires to offer new subjects for the next examination must give adequate reasons for the change and show (with certificates) that he can satisfactorily complete the course of study in the new subjects.

4. *Candidates who have passed the Cambridge School Certificate Examination and intend to appear at the Intermediate Examination should specify in the application form the standard of attainment in each of the subjects in which they have passed the Cambridge School Certificate Examination as shown in the detailed result of the examination.

5. Candidates shall not be allowed to offer for their examination any subject, even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

6. Candidates (including failed candidates) cannot offer any subject which involves practical work or a practical examination, viz. (*a*) Chemistry, (*b*) Physics, (*c*) Biology, (*d*) Economics, (*e*) Physiology, Hygiene and Child Study.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE—(*concluded*).

8. Whether the candidate has ever attended a regular course of study for the Intermediate Examination at any recognized college; if so, the name of the college .. .. ——————————

9. Language from which translation is to be made in the third English paper .. .. .. ——————————

10. Optional subjects now offered .. ——————————

11. In the case of failed candidates date of last appearing at the Board's Intermediate Examination .. ——————————

12. Optional subjects offered at last appearance at the Examination .. ——————————

13. Subjects in which the candidate failed .. .. .. ——————————

14. Whether declared eligible for Compartmental Examination; if so, .. ——————————

(*i*) in what subject? .. .. ——————————

(*ii*) in what year of Examination? .. ——————————

(*Signature of candidate in full.*)

Roll no._____

For Private Candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **INTERMEDIATE EXAMINATION, MARCH, 1929.** **P**

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces.

|| The prescribed fee _____ has been credited into the Government Treasury (*chalan* attached in the case of candidates from the United Provinces) / is sent by money-order (in the case of candidates from an Indian state)

I am, etc.,

_____

Address :_____

_____ *Private Candidate*

[Name to be written in full and clearly.]

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me (*a*) that he has passed the Board's High School Examination or an examination declared equivalent thereto vide Regulation 2, Chapter XIV of the Board's Regulations that I know nothing against his character which ought to exclude him from this Examination; that he has signed the above application in my presence, and that I believe the subjoined account to be true.

Name _____

Designation _____

Station _____

The _____ 192 .

*This certificate should be signed by the Divisional Inspector of Schools or by the Chief Educational Officer of the Indian State where the candidate resides. But in the case of a candidate who has failed in the Intermediate Examination as a student of some college, this certificate should be signed by the head of the institution at which he last studied for the Intermediate Examination.

The Admission Card will be sent to the officer who signs this application form and not direct to the candidate.

* This certificate should be signed by the same officer who forwarded the candidate's previous application.

(*a*) The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

|| Instructions contained in the letter of permission should be strictly followed.

P.T.O.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
   (Girl candidates must write Miss or Mrs. before their names.) .. _____
2. Date of birth .. .. _____
3. Name of father .. .. _____
4. Name of guardian .. .. _____
5. Race (i.e., nation, tribe, etc.) .. _____
6. District and town or village where resident .. .. .. _____
7. Length of residence in—
   (*a*) United Provinces .. .. _____
   (*b*) Rajputana .. .. _____
   (*c*) Ajmer-Merwara .. .. _____
   (*d*) Central India .. .. _____
8. Language from which translation is to be made into English in the third English paper or English composition in the case of candidates whose mother-tongue is English .. .. .. _____
9. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. .. _____
10. The name of the optional subjects offered† .. .. .. (1)_____(2)_____(3)_____
11. (*a*) Whether eligible for compartmental examination, if so, the name of the subject .. .. _____
    (*b*) The year in which first failed and declared eligible for the compartmental Examination .. .. _____
    (*c*) Subjects offered in the year referred to in (*b*) .. .. (1)_____(2)_____(3)_____
12. Whether permitted by the Board to appear as a private candidate; if so the number and date of the letter in which permission has been granted .. .. .. _____
13*. Where to be examined .. .. _____

(Signature of candidate in full.)

* The following places are the centres of examination:—Agra, Ajmer, Allahabad, Almora, Bareilly, Benares, Cawnpore, Dehra Dun, Etawah, Fyzabad, Gorakhpur, Gwalior, Indore, Jaipur, Jhansi, Lucknow, Meerut, Moradabad, Khurja and Chandausi.
The list of centres is subject to additions and alterations by the Board.

† In the case of History, the name of history [e.g., Modern History (Indian-European), Modern History (Indian-English)], Ancient History should be definitely mentioned.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **INTERMEDIATE EXAMINATION, 1929.** P

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Forwarding officer.

Admit_____

(Roll no._____) of_____

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :

The 6th March, 1929.

Issued on_____1929.

Signature and designation
of Forwarding Officer.

P.T.O.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1929, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each Examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :

The 6th March, 1929.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

O P — ***For Private Candidates who have passed a public examination in an Oriental Language (Sanskrit, Persian or Arabic).*** — O P

INTERMEDIATE EXAMINATION, 1929.

(In English only.)

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before October 1, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces, in English only.

I am, etc.,

The address of the candidate to be given here _____

Private Candidate.

CERTIFICATE.

This certificate is to be signed by the Divisional Inspector of Schools, or by the Chief Educational Officer of the Indian State where the candidate resides.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination in English only, that he/she has signed the above application *in my presence*, that I believe the sub-joined account to be true and that the conditions under which he/she has been studying and is propcsing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at the examination as a private candidate under regulation 7, Chapter XIV of the Board's Regulations

Name _____

Designation _____

Station _____

The _____ 1928.

N.B.—(1) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificate duly *attested* by that officer.

(2) The countersiguing officer should keep in his office the addresses of the candidates whose applications he forwards.

(3) Regulations contained in Chapter XII and XIV o the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. ——————————

2. Age (at the time of submitting this application) .. .. .. ——— years ——— months

3. District and town or village where resident .. .. .. ——————————

4. Length of residence in the
   (*a*) United Provinces ———
   (*b*) Ajmer-Merwara ———
   (*c*) Rajputana ———
   (*d*) Central India ———

5. *Date of passing the High School or an equivalent examination in English only (name of examination should be given) .. .. ——————————

6. †Name of the Public Examination passed in an oriental language (a copy of the certificate of the oriental examination passed duly attested by the countersigning officer should be attached) .. ——————————

7. Name of the University, Department or other authority holding the oriental examination which the candidate has passed .. .. ——————————

8. If serving as a teacher, name of the institution in which he is serving .. ——————————

9. Arrangements made for the study of English .. .. .. ——————————

10. Language from which translation is to be made in the third English paper .. .. .. ——————————

(Signature of Candidate in full.)

NOTES.—(1) Failure to comply with all the conditions or to give full particulars of information may entail rejection of application.

(2) Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Board's Examination. Age-limit or other restriction imposed by the local university or examining authority will be equally enforced by the United Provinces Board in the case of such candidates even although United Provinces candidates are free from such restriction.

*The name of the University or other authority holding the examination should also be specified.

†(3) The following examinations are recognised by the Board as public examinations in an Oriental language:—

(1) Maulvi, Alim, Mulla (now defunct) and Fazil in Arabic;
(2) Munshi and Kamil in Persian conducted by the Education department of the United Provinces;
(3) The Sanskrit Examinations conducted by the Government Sanskrit College, Benares, and by the Benares Hindu University;
(4) The Diploma Examinations in Arabic and Persian conducted by the Lucknow University.

Roll No. . . . . .

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

O P ***For Private Candidates who have passed a public examination in an Oriental Language (Sanskrit, Persian or Arabic.)*** **O P**

INTERMEDIATE EXAMINATION, MARCH, 1929.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces, in English only.

†The prescribed fee _____ is sent by money-order (in the case of candidate from an Indian State). _____ has been credited into the Government Treasury (chalan attached in the case of candidates from the United Provinces).

I am, etc.,

Address :—

_____

_____

Private Candidate.

(Name to be written in full and clearly.)

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me that he has passed the Board's High School Examination in English only, under Regulation 7, Chapter XIII of the Board's Regulations or that he has passed an Examination equivalent to the High School Examination in English only under similar conditions, that I know nothing against him which ought to exclude him from the Intermediate Examination in English only, that he has signed the above application in my presence and that I believe the sub-joined account to be true.

‡This certificate is to be signed by the Divisional Inspector of Schools, or by the Chief Educational Officer of the Indian State where the candidate resides.

*Signature*_____

*Designation*_____

*Station*_____

*The*_____192

The Admission Card will be sent to the officer who signs this application form and not direct to the candidate.

†Instructions contained in the letter of permission should be strictly followed.

‡This certificate should be signed by the same officer who forwarded the candidate's previous application.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

O P

INTERMEDIATE EXAMINATION, 1929.

O P

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Forwarding Officer.

Admit-_____

(Roll no._____) of_____District

to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 6th March, 1929.

Issued on_____1929.

Signature and Designation of Forwarding Officer.

P.T.O.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

Name (in full) .. .. .. _____

Date of birth (date, month and year to be entered here and not month and year only) .. .. .. _____

Name of father .. .. .. _____

Name of guardian .. .. _____

District and town where resident .. _____

Length of residence in the—

(*a*) United Provinces .. .. _____

(*b*) Ajmer-Merwara .. .. _____

(*c*) Rajputana .. .. _____

(*d*) Central India .. .. _____

Date of passing the High School or an equivalent Examination in English only .. .. .. _____

Vernacular from which translation is to be made into English in the English Third Paper .. .. .. _____

Whether permitted by the Board to appear as a private candidate, number and date of the letter in which such permission has been granted to the candidate should be quoted here .. _____

†Where to be examined .. .. _____

(*Signature of Candidate in full.*)

†The following places are the centres of examination:—Dehra Dun, Meerut, Khurja, Agra, Bareilly, Moradabad, Chandausi, Etawah, Cawnpore, Allahabad, Jhansi, Benares, Gorakhpur, Almora, Lucknow, Fyzabad, Ajmer, Jaipur, Gwalior and Indore.

The list of centres is subject to additions and alterations by the Board.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1929 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers any books, notes or papers, whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens. Blotting paper will be supplied in the answer-books.

7.—Candidates must obey any instructions they receive from the office in charge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :

The 6th March, 1929.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES

For Private Candidates only.

P **COMMERCIAL DIPLOMA EXAMINATION, 1929.** **P**

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before the 1st October, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear at the ensuing Commercial Diploma Examination of the Board of High School and Intermediate Education, United Provinces.

The address of the candidate to be given here——

I am, etc.,

Private candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Commercial Diploma Examination, that he/she has signed the above application in my presence, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory, I recommended that he/she may be allowed to appear at this examination as a private candidate.

This certificate should be signed by the Divisional Inspector of Schools, or by the Chief Educational Officer of the Indian State where the candidate resides. But in the case of a candidate who has failed at the Commercial Diploma Examination as a student of some college, this certificate should be signed by the head of the institution at which he/she last studied for the Commercial Diploma Examination.

Name——

Designation——

Station——

The ——1928.

N.B.—(1) The countersigning Officer should assure himself that the applicant has given the full particulars required in the application, and has attached to the application the necessary certificates

(2) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards

(3) Regulations contained in Chapters XII and XV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
2. Age (at the time of submitting this application) .. .. _____
3. Place of residence .. .. _____
4. Length of residence in the United Provinces. .. .. _____
5. Date of passing the High School or an equivalent Examination (name of examination should be given) .. .. .. _____
6. Subjects taken in the High School or equivalent Examination .. _____
7. (*a*) School or college last attended _____
   (*b*) date of leaving class in which the candidate read (Scholar's Register or Transfer Certificate should be attached) .. _____
8. Optional subjects now offered (Commercial Geography or Typewriting or Shorthand) .. _____
9. In the case of failed candidates, date of last appearing at the Commercial Diploma Examination .. _____
10. Optional subjects offered at last appearance at the Examination _____
11. Subjects in which the candidate failed .. .. .. _____
12. Whether declared eligible for Compartmental Examination ; if so—
    (i) In what subject ? .. _____
    (ii) in what year of Examination? _____

Signature of candidate in full.

NOTE—1. Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application.

2. Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Board's Examination. Age limit or other restriction imposed by the local University or Examining Authority will be equally enforced by the United Provinces Board in the case of such candidates even although United Provinces Candidates are free from such restriction.

3. A candidate who failed in the Examination of a previous year and who desires to offer new subjects for the next Examination must give adequate reasons for the change and show (with certificates) that he can satisfactorily complete the course of study in the new subjects.

4. Candidates shall not be allowed to offer for their Examination any subject, even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

Roll No.———

For Private Candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **COMMERCIAL DIPLOMA EXAMINATION MARCH, 1929.** **P**

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, on or before December 28, 1928.

APPLICATION.

To

THE SECRETARY BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Commercial Diploma Examination of the Board of High School and Intermediate Education, United Provinces.

*The prescribed fee has been credited into the Government Treasury (challan attached / is sent by money-order (in the case of candidates in th case of candidates from the United Provinces) from an Indian State).

I am, etc.,

Private Candidate.

Address———

(Name to be written in full and clearly.)

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me (*a*) that he has passed the High School Examination or an Examination equivalent thereto; that I know nothing against his character which ought to exclude him from this Examination; that he has signed the above application in my presence and that I believe the subjoined account to be true.

† This certificate should be signed by the Divisional Inspector of Schools, or by the Chief Educational Officer of the Indian State where the candidate resides But in the case of a candidate who has failed at the Commercial Diploma Examination, as a student of some college this certificate should be signed by the head of the institution at which he/she last studied for the Commercial Diploma Examination.

Name———

Designation———

The———192 .

Station———

* Instructions contained in the letter of permission should be strictly followed.
The Admission Card will be sent to the officer who signs this application form and not direct to the candidate.

† This certificate should be signed by the same officer who forwarded the candidate's previous application

(*a*) The Forwarding Officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

P BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, P
UNITED PROVINCES.

COMMERCIAL DIPLOMA EXAMINATION, 1929.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Forwarding Officer.

Admit_____

(Roll no._____) of_____

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 6th March, 1929.

Issued on_____1929.

Signature and designation of Forwarding Officer.

P.T.O.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
2. Date of birth .. .. _____
3. Name and occupation of father. } Name_____Occupation_____
4. Name of guardian .. .. _____
5. Race (*i.e., nation, tribe, etc., etc.*) _____
6. District and town or village where resident .. .. _____
7. Length of residence in—
   (*a*) United Provinces .. _____
   (*b*) Rajputana .. .. _____
   (*c*) Ajmer-Merwara .. _____
   (*d*) Central India .. .. _____
8. Date of passing the High School or an equivalent examination together with the name of the examination passed .. .. _____
9. Optional subject .. .. _____
10. (*a*) Whether eligible for compartmental examination; if so, the name of the subject .. _____
    (*b*) The year when first failed and declared eligible for the compartmental examination .. _____
    (*c*) Optional subject offered in the year referred to in (*b*) .. _____
11. Whether permitted by the Board to appear as a private candidate, if so, the number and date of the letter in which permission has been granted .. .. _____
12. †Where to be examined .. _____

(*Signature of candidate in full.*)

† *Centres of Examination.—St. John's College, Agra; Christian Intermediate College, Lucknow; Sanatan Dharm College of Commerce, Cawnpore, D. A. V. College, Cawnpore; S.-S. Memorial; Intermediate College, Chandausi; Meerut College, Meerut; Bareilly College, Bareilly; Kayasth Pathshala Intermediate College, Allahabad and M. E. E. C. Intermediate College, Khurja.*

The list of centres is subject to additions and alterations by the Board.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Commercial Diploma Examination of 1929 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 6th March, 1929.

(3) Forms of certificates awarded to successful candidates at the Board's examinations.

No.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION. 1929.

Roll no. _____

This is to certify that _____

born on _____, passed the High School Examination, 1929, from the _____ School/College _____, held in the month of March/April, 1929, in the following subjects :—

1. English.
2. Mathematics.
3. _____
4. _____
5. _____

With distinction in _____
and was placed in the Division.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION • UNITED PROVINCES •

M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 29th June, 1929.

No. _____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION, 1929.

Roll no. _____

This is to certify that _____

of _____

College _____

District

passed the Intermediate Examination held in the month of March/April, 1929, in the following subjects :—

1. English Literature.
2.
3.
4.

with distinction in _____

and was placed in the Division.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION UNITED PROVINCES

M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 22nd June, 1929.

No._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

COMMERCIAL DIPLOMA EXAMINATION, 1929.

Roll no.

I certify that—_____

_____of

College _____

District

passed the Commercial Diploma Examination, held in the month of March/April, 1929, and was placed in the_____ Division with distinction in_____

The subjects in which he was examined were English, including correspondence; Book-keeping and Accountancy; Business Methods and Elementary Economics, and

M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 22nd June, 1929.

No. _____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

AGRICULTURAL DIPLOMA EXAMINATION, 1929.

Roll no _____

I certify that _____
of _____
College _____
passed the Agricultural Diploma Examination, held in the month of March/April, 1929, and was placed in the _____
Division with distinction in _____

The subjects in which he was examined were English Literature, Elementary Farm Chemistry, Elementary Farm Physics, Botany, Elementary Zoology, Farm Crops, Elementary Economics, Horticulture, Climatology, Introduction to Animal Husbandry, Elementary Irrigation and Drainage, and Farm Machinery.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION • UNITED PROVINCES •

M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 22nd June, 1929.

(4) Form of application for Examinership for the Board's Examinations.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

FORM OF APPLICATION FOR EXAMINERSHIP.

Name_____

Designation_____

Address_____

Academic qualifications_____

Experience as Teacher_____

Previous experience as Examiner_____

Examination for which the applicant desires to examine_____

Subject in which the applicant desires to examine. (Only one subject and one examination to be mentioned on one form)_____

Recommendation of the Head of the Institution or some other person who knows the applicant well_____

*Date*_____ *Signed*_____

*The*_____192 . _____

NOTES.—(1) The recommendation given above is all that the applicant need send up. Any further communication, direct or indirect, with members of Committees or of the Board, is disallowed.

(2) Persons who acted as Examiners for the previous year need not submit a fresh application.

(3) This application form should reach the Secretary of the Board not later than 15th January. The receipt of the application form will be acknowledged, but no other correspondence in this connection will be attended to.

(4) The applicant should also state whether he is competent to mark answer-books written in Urdu or Hindi.